

RELEASE ABATEMENT MEASURE PLAN

CONTAMINATED SOIL REMOVAL AT THE WALSH FIELD ATHLETIC COMPLEX

PARKER STREET WASTE SITE NEW BEDFORD, MASSACHUSETTS

Release Tracking Number - 4-15685

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October 2009

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1.0 INTRODUCTION

TRC Environmental Corporation (TRC) prepared this Release Abatement Measures (RAM) Plan as part of remediation activities being performed on behalf of the City of New Bedford (City) for the Dr. Paul F. Walsh Memorial Field (Walsh Field). For the purposes of this RAM Plan, the Site is defined as the Walsh Field portion of the Parker Street Waste Site (PSWS). This RAM conforms to the regulatory requirements under 310 CMR 40.0440 of the Massachusetts Contingency Plan (MCP).

The Interim Phase III Remedial Action Plan (RAP) for Walsh Field was prepared by TRC Environmental Corporation (TRC) and submitted to MassDEP on July 29, 2009. The proposed remedial action alternative identified in the RAP is to 1) remediate soils by excavating the hot spot (located at sample location WFB-4), 2) excavate the soils that contribute to Exposure Point Concentrations (EPCs) in excess of Method 1/Method 2 S-1 soil cleanup standards, and 3) place an Activity and Use Limitation (AUL) on the property to prevent potential exposure to impacted soils greater than three feet below ground surface. This solution will mitigate the current and future risks associated with Walsh Field soil and result in a Class A Response Action Outcome (RAO).

Currently, soil Exposure Point Concentrations (EPCs) for dibenzofuran, polycyclic aromatic hydrocarbons (PAHs), diesel range organics (DRO), arsenic, cadmium, and lead exceed applicable MCP Method 1/Method 2 S-1/GW-2 and S-1/GW-3 soil cleanup standards for current and/or future site conditions. Current and potential frequency of use by children and adults is "high" due to the active use of the athletic field for the majority of the year. As a result, a Condition of No Significant Risk does not exist for soil contamination at the Site under current and future use scenarios.

Compounds of concern (COCs) were identified for targeted removal to achieve a Condition of No Significant Risk for the top three feet of soil. The limits of excavation were determined using a Method 1 Risk Characterization approach and areas to be removed were bound by supplemental sample locations with lesser levels of contamination than present at the original sampling point. Following soil removal in areas identified as requiring remediation based on elevated detection of the identified COCs, the risk characterization documents that MCP Method 1 soil cleanup standards will no longer be exceeded and a Condition of No Significant Risk will exist at the Site for the top 3 feet of soil.

Ultimately, when the RAM actions have been completed and a Condition of No Significant Risk has been achieved for soils, an AUL will need to be placed on the property to control certain site uses and activities. Site use limitations will be required to prevent potential exposure to impacted soils greater than three feet below ground surface, which will be accomplished by placing an AUL on the property.

The proposed work to be performed under this RAM will serve to expedite the reduction of current and future risks at the Site and achieve a Condition of No Significant Risk.

1.1 Work Summary

Work to be performed under this RAM includes:

- Excavation of soils by removing the hot spot (located at sample location WFB-4);
- Excavation of soils that contribute to EPCs in excess of MCP Method 1/Method 2 S-1 soil cleanup standards;
- Temporary soil stockpiling and stockpile management (with as needed stabilization);
- Offsite disposal of excavated contaminated soils; and
- Backfilling of the excavated soil with appropriately documented contaminant-free fill material screened in advance for the presence of regulated contaminants.

The remaining sections of this RAM Plan document include information pertaining to the following:

- Party assuming responsibility for the RAM (Section 2);
- Release description, site conditions and surrounding receptors (Section 3);
- Objective, plan and implementation schedule of the RAM (Section 4);
- Information pertaining to remediation waste management (Section 5);
- Environmental monitoring (Section 6);
- Federal, State, and Local permits (Section 7);
- Seal and signature of the Licensed Site Professional (Section 8);
- Certification of financial resources (Section 9);
- Relevant information (Section 10); and
- References (Section 11).

Supporting appendices include risk characterization information (Appendix A), remediation drawing and details (Appendix B), soil management plan (Appendix C), RAM Plan fee documentation (Appendix D), and municipal notification letters (Appendix E).

1.2 Regulatory Status

1.2.1 Release Reporting

The Site is a portion of a larger disposal site, the PSWS, under the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) that is tracked by the Massachusetts Department of Environmental Protection (MassDEP) under Release Tracking Number (RTN) 4-15685. MassDEP has assigned Release Tracking Numbers (RTNs) applicable to the site including 4-15685, 4-21407, and 4-21823. RTNs 4-21407 and 4-21823 are associated with Immediate Response Actions (IRAs), which are expected to be incorporated into the remedy advanced for RTN 4-15685 (the original release associated with the PSWS). Response actions at the PSWS are conducted under a Special Project designation due to logistical complexities.

Other properties in the area of the Site that are tracked under this RTN include:

- The New Bedford High School (NBHS);
- The Keith Middle School (KMS) property and a wetland adjacent to the KMS (referred to as the KMS wetland). A Class A-3 partial Response Action Outcome (RAO-P) has been submitted by others for the KMS portion of the PSWS. Response actions are on-going for the wetland portion;
- The Former Keith Junior High School (KJHS) property;
- Several other City-owned parcels (e.g., Department of Public Facilities [DPF]);
- Several residential properties along Greenwood, Ruggles, and Durfee Streets, including vacant parcels along Ruggles Street and Hathaway Boulevard presently owned by the Bethel AME Church;
- A church property located at 129 Hathaway Boulevard at the corner of Parker Street; and
- A commercial property located at 319 Hathaway Boulevard.

These properties and the Walsh Field property are impacted by the presence of fill variously contaminated by polychlorinated biphenyls (PCBs), dibenzofuran, polyaromatic hydrocarbons (PAHs), and heavy metals (including but not limited to arsenic, cadmium, chromium, and lead). The fill material appears to be attributable to waste disposal associated with the PSWS, located in the vicinity of the NBHS campus.

Note that this RAM applies only to the Walsh Field Area at the PSWS. Remedy Implementation Plans (RIPs), or alternatively Release Abatement Measures (RAMs), will be prepared individually for the other areas of concern at the PSWS, as appropriate.

2.0 PARTY ASSUMING RESPONSIBILITY FOR THE RAM

The party undertaking this RAM is:

City of New Bedford
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Contact: Mr. Scott Alfonse
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3.0 RELEASE DESCRIPTION, SITE CONDITIONS & SURROUNDING RECEPTORS

3.1 Site Description

The Site is located within the footprint of the larger PSWS disposal site that encompasses an area greater than 100 acres based on currently available information, in the vicinity of NBHS. The Site occupies approximately 22 acres within the larger PSWS and is located on the south side of Parker Street, to the east of Hunter Street, and to the north of Maxfield Street, in New Bedford, Massachusetts. The east side of the Site is bordered by Lindsey Street and a City maintenance yard. A Site location map is provided as Figure 1.

Walsh Field is an active athletic complex that contains a football stadium along Maxfield Street, a soccer field that abuts the City's maintenance yard, a fenced Varsity baseball field at the corner of Parker and Hunter Streets, the junior varsity baseball field abutting the maintenance yard between the soccer field and football stadium, and a central area used for athletic practices of various sports including softball.

There are small buildings within the Site including restrooms, an abandoned field house, and maintenance buildings as well as bleachers/viewing stands at the football field, soccer field, and the varsity baseball field. The track at the Site is made of crumb rubber and there are paved areas along Hunter Street and Maxfield Street. Approximately 10-percent of the Site is currently covered by impervious surfaces (e.g., paved parking areas and the running track).

The Site serves as the primary athletic area for NBHS and also hosts collegiate level baseball games at the varsity baseball field. The entire Site is surrounded by a fence to limit access by the general public in order to preserve the quality of the playing surfaces. The Varsity field is further surrounded by a second 8-foot chain link fence. Athletic teams use the fields for practices and games between mid-March and late November each year.

For the purposes of evaluating risk to human health, Walsh Field was divided into exposure points applicable to the athletic activities that occur at the field as follows:

- WF-1: Football Field Area
- WF-2: Soccer Field Area
- WF-3: Practice Area (including the softball diamond)
- WF-4: Junior Varsity Baseball Field
- WF-5: Varsity Baseball Field

The exposure point area boundaries are illustrated in Figure 2.

3.2 Surrounding Receptors

The Site lies within 500 feet of the New Bedford High School (NBHS), residential dwellings, a church, and various outdoor athletic fields.

Groundwater categories at the Site include actual or potential GW-2, depending upon proximity to occupied structures (groundwater is encountered at approximately 5 feet below ground surface based on recent groundwater monitoring well installations at Walsh Field by TRC), and GW-3, which applies to all groundwater throughout the Commonwealth. However, groundwater impacts from contaminants associated with the Site are not expected based on the laboratory results of groundwater samples taken from groundwater monitoring wells located at the NBHS portion of the site in August and September 2008. TRC groundwater monitoring results recently obtained for Walsh Field also indicate no contaminants above applicable MCP Method 1 groundwater cleanup criteria.

Based on review of on-line MassDEP Priority Resource Map data available from Massachusetts Geographic Information System (MassGIS), the Site is not located within a Current or Potential Drinking Water Source Area (MassGIS, 2008).

The Site is not located in a wetland resource area. No other documented sensitive ecological receptor areas (e.g., Areas of Critical Environmental Concern [ACECs]) are known to be located at or near the site. No municipal or residential wells are known to be in the area.

3.3 Release Description

As described previously, MassDEP tracks the release at the Site under RTN 4-15685 that is associated with historical fill related to the PSWS.

3.3.1 Overview of Investigation History

In February 2006, The Beta Group, Incorporated (BETA) of Norwood, Massachusetts conducted subsurface investigations at the Site to determine the horizontal and vertical extent of fill and to determine contaminants of concern. A total of 80 soil borings were advanced and twelve surface soil samples (0–6") were collected. Soil samples were collected at boring locations where fill was observed at depths less than 2.5 feet below grade. Soil samples collected by BETA were analyzed for PCBs, the eight (8) Resource Conservation and Recovery Act (RCRA) metals, PAHs, volatile organic compounds (VOCs), pesticides and herbicides. Several of the samples had individual detections of contaminants that exceeded their applicable MCP Method 1 S-1 soil cleanup standards. Contaminants with individual detections that exceeded the MCP Method 1 S-1 soil cleanup standards include arsenic, barium, cadmium, lead, and various PAHs.

TRC's initial remedial investigation effort included additional soil sampling and analysis in July, August, and September 2008. The objective of TRC's additional soil testing was to address data gaps in the delineation of the contamination from the former PSWS including the Walsh Field and NBHS properties. The follow-up work was conducted with the concurrence of the City.

At Walsh Field, TRC's investigative approach was largely focused on addressing apparent data gaps in the BETA data set in shallow soil. A subset of deeper soil borings was also conducted to evaluate the presence or absence of fill, the vertical extent of contamination, and the potential presence of contaminants of concern in soil and fill material that may be present based on

documentation available to TRC and past sampling in the area. The deeper soil borings were advanced and samples were collected until native overburden was encountered unless refusal was encountered first. Where native material was encountered and submitted for laboratory analysis, 2 samples of native material were typically collected in borings selected to characterize the native horizon. The lower native samples were retained by the laboratory for analysis contingent upon the results of the upper native horizon analysis and technical direction from TRC in an attempt to delineate the vertical extent of contamination exceeding applicable MCP Method 1 soil cleanup standards, if present. The contingent native material was not analyzed if the laboratory results of the native material interval above it did not indicate contamination above MCP Method 1 soil cleanup standards. Samples were also taken of white line chalk and stockpiled soil in order to investigate their potential as a source of arsenic contamination at the Varsity and Junior Varsity baseball fields.

TRC contracted New England Geotech of Jamestown, Rhode Island, to perform drilling activities at the Site under TRC field supervision. The borings were advanced using Geoprobe® direct push methods. The samples were visually examined in the field for evidence of contamination and field screened using the MassDEP jar headspace methodology and a photoionization detector (PID). Samples were collected from each boring at various depths to delineate the extent of contamination.

As of December 2008, TRC advanced a total of 64 soil borings, plus 35 surface samples, two stockpile samples and one sample of white line chalk, to various depths at Walsh Field. A total of 139 samples were submitted for laboratory analysis of PCBs, PAHs, and/or MCP metals and mercury. The laboratory results indicated the presence of contaminants in individual soil samples in excess of MCP Method 1 S-1 soil cleanup standards for PAHs and several heavy metals. PCB concentrations were below the applicable MCP Method 1 S-1 soil cleanup standards for all soil samples submitted, and below laboratory detection limits for many of the samples. The highest PCB concentration was detected in sample SB-264 at 0.237 mg/Kg. A complete summary of the data collected was submitted in TRC's *Interim Phase II Comprehensive Site Assessment, New Bedford, Massachusetts* dated July 2009. For the purposes of the aforementioned Phase II report, the discussion included data collected on or before December 15, 2008.

Supplemental environmental sampling was conducted by TRC from February 2009 through July 2009 at Walsh Field and from March 2009 into August 2009 at NBHS to refine the delineation of contaminated areas and support remedial planning. TRC conducted soil sampling along concentric rings (i.e., step-out sampling) around sampling locations identified for potential excavation, based on elevated contaminant concentrations. Supplemental step-out and characterization sampling activities were conducted within each exposure point area. The supplemental sampling investigation was performed to determine pre-defined excavation boundaries for the lateral and vertical extent necessary to achieve the remedial goal (i.e., EPCs less than or equal to Method 1/Method 2 S-1 soil cleanup standards). Based on the risk characterization results, the supplemental sampling investigations were focused on a vertical depth of up to three feet below ground surface, targeting currently accessible soils. A summary of supplemental environmental sampling activities completed between February 16, 2009 and May 22, 2009 at Walsh Field was presented in Appendix A of the *Interim Phase III Remedial*

Action Plan, New Bedford, Massachusetts (Phase III) dated July 29, 2009. A summary of supplemental environmental sampling data collected from March 4, 2009 to July 1, 2009 for NBHS will be included in subsequent submittals to MassDEP. A summary of all Site analytical data is also provided herein.

3.3.2 Current Subsurface Conditions

Walsh Field is underlain by topsoil and up to approximately 10 feet of anthropogenic fill material that includes sandy material with ash, related to the historical PSWS operations. In places, the ash fill includes broken glass, brick fragments, rubber, slag, coal, cinders, and/or metallic fragments. Location of the top and bottom of fill material is varied throughout Walsh Field, ranging from 0.5 to 8 feet and 2 to 10 feet below ground surface, respectively.

The anthropogenic fill materials are underlain by approximately 0.25 to 6 feet of native dark brown organic peat material, mixed with silt and clay in places from the wetland that predates the disposal operations. Native soils below the organic peat layer are characterized by gray fine silty sands with trace gravel and/or medium sand in places.

The *Interim Phase II Comprehensive Site Assessment, New Bedford, Massachusetts*, dated July 2009, described the nature and extent of soil contamination relative to the 0 to 1 foot below ground surface horizon, 1 to 3 foot below ground surface horizon, and greater than 3 foot below ground surface horizon. The 0 to 1 foot horizon is considered to be representative of contamination located at or near the ground surface that is directly accessible, has a high potential for contact by people, and is representative of current exposures. The 1 to 3 foot horizon is considered to be representative of contamination that is below the ground surface, not immediately accessible and has a lower potential for contact by people (potential for contact by maintenance or construction personnel when performing activities that require digging below the ground surface exists).

The nature and extent of soil contamination is discussed as separate exposure point areas based on the identification of varied activities and uses throughout the different areas of Walsh Field. Sample locations are presented in Figure 3 along with a more detailed presentation of sample locations for the Varsity Baseball Field and Junior Varsity Baseball Field in Figure 4 and Figure 5 respectively.

3.3.3 Walsh Field Football Field Soil Results (Exposure Point Area WF-1)

The laboratory results of the supplemental sampling investigation at the Walsh Field Football Field area of the Site, identified as WF-1 on Figure 2, did not indicate any additional areas requiring soil removal beyond those identified in the Phase III.

Step-out sampling was performed at sampling locations WFA-11, WFB-11, WFC-13, and WFD-13. A summary of the Walsh Field Football Field (WF-1) soil analytical results for detected contaminants only is included in Table 3-1. Laboratory results for the step-out sampling identified the horizontal extent of contamination targeted for removal. Sampling locations that are targeted for excavation are highlighted in red. Sampling locations that are greater than three

feet below ground surface and not used to develop EPCs for the risk assessment are highlighted in yellow. The areas that have been identified as requiring soil removal are identified in Section 4.2.1 and figures identifying the areas are presented in Appendix B.

3.3.4 Walsh Field Soccer Field Soil Results (Exposure Point Area WF-2)

The laboratory results of the supplemental sampling investigation at the Walsh Field Soccer Field area of the Site, identified as WF-2 on Figure 2, did not indicate any additional areas requiring soil removal beyond those identified in the Phase III.

Step-out sampling was performed at sampling locations WFF-5 and WFE-5. A summary of the Walsh Field Soccer Field (WF-2) soil analytical results for detected contaminants only is included in Table 3-2. Laboratory results for the step-out sampling identified the horizontal extent of contamination that is targeting for removal. Sampling locations that are targeted for excavation are highlighted in red. Sampling locations that are greater than three feet below ground surface and not used to develop EPCs for the risk assessment are highlighted in yellow. The areas that have been identified as requiring soil removal are identified in Section 4.2.1 and figures identifying the areas are presented in Appendix B.

Note that soil was previously removed from WFE-5 as part of an IRA associated with RTN 4-21823 (discussed in detail herein). The removal action at WFE-5 is documented in an IRA Completion Report filed with MassDEP in August 2009.

3.3.5 Walsh Field Practice Area Soil Results (Exposure Point Area WF-3)

The laboratory results of the supplemental sampling investigation at the Walsh Field Practice area of the Site, identified as WF-3 on Figure 2, did not indicate any additional areas requiring soil removal beyond those identified in the Phase III.

Step-out sampling was performed at sampling locations WFA-10, WFD-6, and SB-233. A summary of the Walsh Field Practice Area (WF-3) soil analytical results for detected contaminants only is included in Table 3-3. Laboratory results for the step-out sampling identified the horizontal extent of contamination that is targeted for removal. Sampling locations that are targeted for excavation are highlighted in red. Sampling locations that are greater than three feet below ground surface and not used to develop EPCs for the risk assessment are highlighted in yellow. The areas that have been identified as requiring soil removal are identified in Section 4.2.1 and figures identifying the areas are presented in Appendix B.

3.3.6 Walsh Field Junior Varsity Baseball field Area Soil Results (Exposure Point Area WF-4)

The laboratory results of the supplemental sampling investigation at the Walsh Field Junior Varsity Baseball Field area of the Site, identified as WF-4 on Figure 2, indicated an expansion of areas previously determined to require soil removal.

Step-out sampling was performed at sampling locations WFG-7, Post-9, and Post-10. A summary of the Walsh Field Junior Varsity Baseball Field Area (WF-4) soil analytical results for detected contaminants only is included in Table 3-4. Laboratory results for the step-out sampling identified the horizontal and vertical extent of contamination that is targeting for removal. The vertical extent of arsenic contamination was determined to require soil removal to a depth of 1 ½ feet below ground surface. In order to determine if the 1 ½ to 3 foot interval required soil excavation, eight samples were collected from this interval (i.e., sampling locations JV-JJ through JV-QQ). The laboratory results did not indicate that additional excavation was required in the 1 ½ to 3 foot interval at all sampling locations with the exception of sampling location JV-JJ. At sampling location JV-JJ, the laboratory results indicated concentrations of cadmium at 45 mg/Kg. Therefore, removal of soils to a depth of 3 feet below ground surface will be required in the vicinity of sampling location JV-JJ.

In order to determine the lateral extents soils requiring excavation to a depth of 3 feet in the vicinity of sampling location JV-JJ, TRC collected nine additional samples (including one duplicate) from the 1.5 to 3 foot depth interval. The delineation sampling followed a step-out sampling pattern with the “inner ring” locations (i.e., JV-JJA through JV-JJD) 4 feet east, south, west and north from the JV-JJ location, respectively. Additional “outer ring” contingency samples (i.e., JV-JJE through JV-JJH) were collected an additional 4 feet from the JV-JJ location. These samples were to be authorized for analysis at the laboratory as needed to delineate the contamination, however due to an oversight by the laboratory these samples were analyzed in conjunction with the “inner ring” samples. “Outer ring” samples were also collected from the 1.5 to 3 foot interval at points to the north, east, south and west. Each sample was analyzed for total cadmium and lead with the results presented in Table 3-4. Based on the analytical results, the three-foot excavation in the vicinity JV-JJ will be bounded by step-out samples “JV-JJE”, “JV-JJF”, “JV-JJG” and “JV-JJH”, which exhibited cadmium concentrations below Method 1 standards.

Sampling locations that are targeted for excavation are highlighted in red. Sampling locations that are greater than three feet below ground surface and not used to develop EPCs for the risk assessment are highlighted in yellow. The areas that have been identified as requiring soil removal are identified in Section 4.2.1 and figures identifying the areas are presented in Appendix B.

3.3.7 Walsh Field Varsity Baseball field Area Soil Results (Exposure Point Area WF-5)

The laboratory results of the supplemental sampling investigation at the Walsh Field Varsity Baseball Field area of the Site, identified as WF-5 on Figure 1-2, indicated a significant expansion of areas previously determined as requiring soil removal.

Step-out sampling was performed at the discrete “Hot Spot” area at sample location WFB-4, and sampling locations WFB-2, WFC-2, Post-1, Post-2, Post-3, SB-252C and SB-252D. However, as the investigation progressed, TRC determined that delineation around the entire infield area was required. A summary of the Walsh Field Varsity Baseball Field Area (WF-5) soil analytical results for detected contaminants only is included in Table 3-5. Laboratory results for the step-out sampling identified the horizontal and vertical extent of contamination that is targeting for

removal. The vertical extent of arsenic contamination was determined to require soil removal to a depth of 1 ½ feet below ground surface or greater in certain areas. To confirm that the 1 ½ to 3 foot interval did not require soil excavation, twelve samples were collected from this interval (sampling locations WVF-73 through WVF-84). The laboratory results did not indicate that additional excavation was required in the 1 ½ to 3 foot interval at all sampling locations. Sampling locations that are targeted for excavation are highlighted in red. Sampling locations that are greater than three feet below ground surface and not used to develop EPCs for the risk assessment are highlighted in yellow. The areas that have been identified as requiring soil removal are identified in Section 4.2.1 and figures identifying the areas are presented in Appendix B.

3.4 Immediate Response Actions

The following summarizes Immediate Response Actions undertaken at the Site.

3.4.1 Varsity and Junior Varsity Baseball Fields

Surface soil samples (0-0.5 foot below grade) collected from the Varsity and Junior Varsity Baseball Field portions of Walsh Field contained arsenic at concentrations that "could pose" an Imminent Hazard (IH) under 310 CMR 40.0321(2)(b). The IH-related condition was reported to MassDEP by TRC via telephone in conjunction with representatives of the City on July 30, 2008. MassDEP orally approved IRA assessment activities and assigned RTN 4-21407.

Follow-up work completed as part of the IRA included additional soil sampling, preparation of an IH evaluation, and implementing controls limiting access to the Site. The controls implemented included locking the perimeter fence around the area and posting "No Trespassing" signs. The IH evaluation concluded that an IH condition was present at the Varsity Baseball Field, but not at the Junior Varsity Baseball Field.

In September 2008, TRC submitted an IRA Completion Report to MassDEP. The objective of the September IRA Completion Report was to document the assessment and delineation of the potential IH condition and the mitigation of the condition through fencing. TRC subsequently submitted a second IRA Plan in November 2008. The objectives of the IRA Plan were to:

1. Remove the top six inches of base path, mound, and infield soil within the Varsity Baseball Field that contain elevated concentrations of arsenic;
2. Remove additional soil around the outer perimeter of the infield extending into the outfield and foul territory to a depth of six inches within the Varsity Baseball Field that contained elevated concentrations of arsenic; and
3. Replace the removed surface soil with appropriately documented, contaminant-free soil.

TRC collected soil samples indicating concentrations of arsenic in excess of the MassDEP potential IH threshold of 40 mg/kg in the top six inches of soil. All of the concentrations over the "could pose" IH threshold were found to be in the top six inches of base path/infield soil at

the Varsity Baseball Field except one, which was located in the grassed area adjacent to the base path/infield at the Junior Varsity Baseball Field.

In November 2008, TRC oversaw the excavation and off-site disposal of approximately 1,118 tons of arsenic-contaminated soil from the Varsity and Junior Varsity Baseball Fields. Although the initial IH evaluation had indicated that the arsenic concentrations at the Junior Varsity Baseball Field did not represent an IH, soil excavation was included at the Junior Varsity Baseball Field at the request of the Mayor.

A post-excavation evaluation demonstrated that an IH condition does not exist at either the Varsity or Junior Varsity Baseball Field and that the fields can continue to be safely used until a permanent remedy that addresses the remaining soil contamination can be implemented. TRC filed an IRA Completion Report on the City's behalf on April 13, 2009.

3.4.2 Soccer Field (Sample Location WFE-5)

MassDEP RTN 4-21823 was triggered on March 4, 2009 by the detection of lead at a concentration posing an IH, based on TRC's initial evaluation and the accessibility of the soil (0 to 1 foot in depth) at the soccer field area of Walsh Field near soil sample WFE-5. TRC conducted additional soil sampling, prepared a risk evaluation, and oversaw the removal of approximately 41 cubic yards of contaminated soil in the area. The soil was transported to the Shawmut Avenue Transfer Station in lined and covered roll-off containers for temporary storage. TRC submitted an IRA Plan for this release on May 4, 2009.

A waste characterization soil sample was collected from the excavated soils, and submitted for laboratory analysis of VOCs, PCBs, PAHs, total petroleum hydrocarbons (TPH), and RCRA 8 metals. Additional volume was collected for Toxicity Characteristic Leaching Procedure (TCLP) metals analysis, contingent upon total metals results.

The waste characterization soil sample exhibited a lead concentration of 655 mg/kg. Since this concentration is greater than 20-times the allowable aqueous lead leachate level, the sample was analyzed for TCLP lead. Based on TCLP analysis, the extract from the soil contained a lead concentration of 8.04 mg/L. This concentration exceeds the 5.0 mg/L concentration identified as the regulatory level for lead by MassDEP in 310 CMR 30.125 (characteristic hazardous waste). The soil at the Shawmut Avenue Transfer Station was subjected to lead stabilization treatment on July 13, 2009 by Triumvirate Environmental, Incorporated. Following treatment, the soil no longer exceeded TCLP criteria and was shipped to Crapo Hill Landfill for reuse on July 20, 2009. The close out of this IRA condition is documented in an IRA completion report filed with MassDEP in August 2009.

3.4.3 Conceptual Site Model

TRC developed a conceptual site model to explain the distribution and occurrence of contamination at the Site.

The contaminated fill observed at the Site is associated with historical landfilling activities at the Walsh Field prior to 1941 and use of the NBHS campus portion of the Site as part of the PSWS in the 1950s and early 1960s. Historical documentation indicates that the Site was undeveloped wetland prior to waste disposal activities.

The distribution and occurrence of site contaminants is generally consistent with the distribution and occurrence of anthropogenic fill. However, the distribution and occurrence of arsenic contamination in the 0 to 1.5 foot below ground surface soil horizon at the Varsity and Junior Varsity Baseball Field areas are not consistent with historical PSWS fill, and appear to be associated with materials utilized in the original construction and/or refurbishment of the baseball diamond areas or potentially residues from the past application of herbicidal agents.

4.0 OBJECTIVE, PLAN & IMPLEMENTATION SCHEDULE

4.1 Objective

Work to be performed under this RAM includes:

- Excavation of soils by removing the hot spot (located at sample location WFB-4);
- Excavation of soils that contribute to Exposure Point Concentrations (EPCs) in excess of Method 1/Method 2 S-1 soil cleanup standards;
- Temporary soil stockpiling and stockpile management (and as needed stabilization);
- Offsite disposal of excavated contaminated soils; and
- Backfilling the excavated soil with appropriately documented contaminant-free fill material screened in advance for the presence of regulated contaminants.

Currently, soil EPCs for dibenzofuran, PAHs, DRO, arsenic, cadmium, and lead exceed applicable MCP Method 1/Method 2 S-1/GW-2 and S-1/GW-3 soil cleanup standards for current and/or future site conditions. Current and potential frequency of use by children and adults is “high” due to the active use of the athletic field for the majority of the year. As a result, a Condition of No Significant Risk does not exist for soil contamination at Walsh Field under current and future use scenarios.

The proposed remedial action alternative identified in the Phase III RAP is to remediate soils by: 1) removing the hot spot (located at sample location WFB-4), 2) removing the soils that contribute to EPCs in excess of MCP Method 1/Method 2 S-1 soil cleanup standards, and 3) placing an AUL on the property to prevent potential exposure to impacted soils greater than three feet below ground surface. This solution will mitigate the current and future risks associated with Walsh Field soil, and will result in a Class A RAO. Drawings illustrating the areas targeted for excavation are presented in Appendix B.

4.2 Plan

4.2.1 Soil Excavation/Removal

The general RAM plan for the Site is for excavation and as needed stabilization of soil in certain areas identified as requiring removal of soils based on elevated levels of COCs and off-site reuse, recycling, and/or disposal of contaminated soils. All necessary safety, security and erosion/sedimentation control measures will be implemented prior to remedial activities. Following soil removal, the excavations will be backfilled with clean fill, topped with approximate six inches of loam, and re-seeded or finished with this installation of new sod.

Following excavation and off-site disposal of soils with elevated levels of COCs in areas determined and bound by supplemental sample locations with lesser levels of contamination than present at the original sampling point, the risk characterization documents that MCP Method 1/Method 2 S-1 soil cleanup standards will no longer be exceeded in the top 3 feet, and a Condition of No Significant Risk can be attained in conjunction with the placement of an AUL.

on the property to prevent potential exposure to impacted soils greater than three feet below ground surface.

Approximately 10-percent of Walsh Field is currently covered by impervious surfaces (e.g., paved parking areas and the running track). Approximately 23,400 square feet of surface area will be removed and replaced. The vertical and horizontal extend of contaminated soils to be removed is identified in Appendix B. The approximate total volume of soil to be excavated is summarized below, with all contaminated soil to be transported off-site for reuse, recycling and/or disposal at appropriately licensed facilities.

- WFA-11 – 27.7 cubic yards
- WFB-11 – 34 cubic yards
- WFC-13 – 10.1 cubic yards
- WFD-13 – 7.8 cubic yards
- WFF-5 – 7 cubic yards
- WFA-10 – 20.6 cubic yards
- WFD-6 – 17.2 cubic yards
- SB-233 – 21.1 cubic yards
- WFG-7 – 11.3 cubic yards
- Junior Varsity Field – 274 cubic yards.
- Varsity Field – 1852 cubic yards.

Soils requiring excavation are interspersed throughout Walsh Field and are not immediately adjacent to structures, and are generally in areas with few known utilities. Figures identifying remedial action locations and limits of excavation are included in the drawings provided in Appendix B.

At Walsh Field groundwater was encountered at depth ranging from 3.94 feet below ground surface at monitoring well MW-WFC13 to 4.41 feet below ground surface at monitoring well MW-WFE5H on February 25, 2009. Bedrock was not assessed during this investigation.

4.2.1.1 Soil Excavation Design, Assumptions, Calculations

The extent of the proposed soil excavations are shown in figures provided in Appendix B.

Historical locations with elevated concentrations of contaminants were targeted for additional analysis. Supplemental sampling was conducted at each targeted location. All of these data (historical and supplemental) were evaluated during the risk characterization. At each location, samples were collected in a grid pattern having a 4-foot lateral separation around the original sample point and between supplemental sample points. The limits of excavation were determined using a Method 1 Risk Characterization approach and areas to be removed were bound by supplemental sample locations with lesser levels of contamination than present at the original sampling point. Appendix A presents the Method 1/Method 2 Risk Characterization performed for the Walsh Field in support of remedial planning. The following sections briefly summarize the findings of the risk characterization. Specific details concerning the risk characterization methods, including the calculation of EPCs, are provided in Appendix A.

The risk characterization included an initial evaluation of the baseline (i.e., pre-excavation) conditions at WF-1 through WF-5. The data for each sub-area were summarized to generate baseline EPCs. The baseline EPCs were then compared to applicable MCP Method 1 soil cleanup standards to determine those compounds that pose a significant risk to human health, as well as the locations where the most elevated concentrations are found. Compounds with maximum detected concentrations below MassDEP background concentrations for natural soils were not considered to be compounds of potential concern (COPCs) and were not evaluated further consistent with MassDEP risk characterization guidance.

Soil EPCs evaluated under baseline conditions indicated a Condition of No Significant Risk had not been achieved for soil under current and future use scenarios. For WF-1 (the Football Field area), the lead EPC exceeded applicable MCP Method 1 soil cleanup standards. Benzo(a)pyrene, cadmium and lead EPCs were identified as exceeding MCP Method 1 soil cleanup standards at WF-2 (the Soccer Field area). Cadmium and lead EPCs exceeded applicable MCP Method 1 soil cleanup standards at WF-3 (the Practice/Softball area). For WF-4 (the Junior Varsity Baseball Field), arsenic, cadmium and lead EPCs exceed applicable MCP Method 1 soil cleanup standards. For WF-5 (the Varsity Baseball Field), PAHs, dibenzofuran, and DRO for Hot Spot at WFB4, and arsenic and lead for the remainder of the area, EPCs exceed applicable MCP Method 1 soil cleanup standards. Based on this information, these COCs were identified for targeted removal to achieve a Condition of No Significant Risk for the top three feet of soil.

The following sampling locations were identified as requiring remediation based on elevated detections of the identified COCs:

- **WF-1:** WFA-11, WFB-11, WFC-13, and WFD-13
- **WF-2:** WFF-5 and WFE-5 (WFE-5 already removed as part of an IRA).
- **WF-3:** WFA-10, WFD-6, and SB-233
- **WF-4:** WFG-7, Post-9, Post-10, and JV-JJ.
- **WF-5:** WFB-4, WFB2, WFC2, Post-1, Post-2, Post-3, SB-252C, and SB-252D.

The areas requiring excavation are listed in Table 4-1 by historical sample location. The limits of excavation were determined using a Method 1 Risk Characterization approach and areas to be removed were bound by supplemental sample locations with lesser levels of contamination than present at the original sampling point. Supplemental sample points used to bound the excavation area are indicated in the excavation limits column by letter. The full sample identifier is the historical location followed by the letter. For example, at historical location WFA-11, the excavation area is bound by the following supplemental (i.e., step-out) samples: WFA-11E, WFA-11F, WFA-11G and WFA-11H.

To confirm that a Condition of No Significant Risk would be achieved if the areas of elevated contaminant concentrations identified were excavated, EPCs were recalculated for each subarea

after the samples within the excavation boundary were eliminated from the data set. Again, compounds with maximum detected concentrations below MassDEP background concentrations for natural soils were not considered to be COPCs and were not evaluated further.

The risk characterization documents that soil EPCs will no longer exceed MCP Method 1soil cleanup standards and a Condition of No Significant Risk will exist at the Football Field, Soccer Field, Practice Area, Varsity Field, and Junior Varsity Field following the removal of soil to the extent identified in the drawings provided in Appendix B at the targeted areas, in conjunction with an appropriate AUL.

Supporting risk characterization information is presented in Appendix A.

4.2.1.2 Site Preparation

Proposed excavation areas, as shown on figures provided in Appendix B, will be marked prior to remedial activities. TRC will coordinate with the City to determine the location of underground utilities in the areas where excavation and remedial activities will take place. In addition, all other customary utility mark-out procedures, including the use of Dig-Safe, will be employed to ensure that no additional privately-owned utilities are located within the vicinity of remedial activities. Locations of utilities will be clearly marked.

During soil removal activities, appropriate controls will be employed to monitor and control potential releases of contamination. Such controls include air monitoring and dust suppression for fugitive dust, control of precipitation run-on and run-off and decontamination of equipment and vehicles that contact contaminated soil. Currently, it is anticipated that monitoring will be conducted in the same manner as performed during the previously performed removal activities.

Control of precipitation of run-on and run-off will be achieved by minimizing the time of exposure of contaminated soils. Sampling and analysis has been performed to fully define the required limits of excavation prior to initiation of soil removal activities. As the lateral and vertical limits of excavation will be pre-determined, this will allow for excavations to be rapidly backfilled with clean soil materials upon completion of required excavation.

Uncontrolled off-site transport of contaminated materials via vehicle traffic will be achieved through removal of soil materials from the body and tires of all vehicles prior to exiting the Site. Vehicles will be visually inspected to ensure no visible soil materials are present on the body or on the tires.

4.2.1.3 Excavation Activities

During all excavation and dewatering activities, site health and safety monitoring will be conducted in accordance with the HASP. Security will be maintained to prevent access by unauthorized and non-essential personnel within the area of concern. Groundwater dewatering is not anticipated to be necessary as the proposed limit of the excavation is above the groundwater table. Appropriate measures will be maintained to minimize impacts to the environment.

As previously described, the lateral and vertical limits of excavation will be pre-determined, this will allow backfill with clean soil materials immediately upon completion of required excavation.

Excavation and backfilling activities will progress along the portions of the excavation areas in stages as opposed to performing excavation in all areas prior to any backfilling. This will minimize related safety concerns and the impact of rainfall events on site operations.

The contaminated soil is planned to be directly loaded into trucks and transported to an on-site location for stockpiling and as needed stabilization. Excavated soils will be managed as described in the *Soil Management Plan* in Appendix C. Clean materials that were placed in the Varsity Baseball Field and Junior Varsity Baseball Field base paths following the prior excavations will be segregated to the extent practicable for reuse. Analytical data collected during the previous investigations from the excavation areas may be used to obtain pre-approval of soil acceptance from the disposal facility prior to excavation activities. TRC anticipates that soil stockpiles will require sampling and analysis prior to off-site disposal in order to characterize the soils for evaluation of disposal options, including consideration of on-site treatment prior to off-site disposal. Trucks will be decontaminated, if necessary, following the procedures outlined in *Soil Management Plan* located in Appendix C.

4.2.1.4 Backfilling/Compaction

Once excavation activities are completed, backfilling will occur. The certified clean granular replacement material and topsoil from off-site sources will be used as the backfill materials. The fill will be placed into the excavation and built up in successive layers until the required elevations are reached. The fill will be brought up on essentially level lifts not exceeding twelve inches in un-compacted thickness and will be placed in lift by standard methods. Each lift of material will be compacted so as to secure a dense, stable and thoroughly compacted mass. Filling operations will continue until the fill has been brought up to the finished grade, making proper allowances for six inches of loam, and re-seeding.

4.3 Implementation Schedule

The RAM activities associated with the excavation and/or removal of contaminated soil are scheduled to begin upon approval of this plan and be completed in approximately eight weeks. (sooner if practicable and assuming favorable weather conditions). TRC anticipates submittal of a RAM Completion Report within 60 days of the completion of all RAM activities, or a RAM Status Report if the outcomes of activities do not warrant a RAM Completion Report

5.0 REMEDIATION WASTE MANAGEMENT STATEMENT

This section describes procedures for the on-site management and off-site reuse, recycling, and/or disposal of remediation waste generated during this RAM. Remediation waste management will be conducted in accordance with the applicable sections of the MCP, MassDEP *Interim Remediation Waste Management Policy for Petroleum Contaminated Soils*, WSC-94-400 and MassDEP Policy COMM#97-001 *Reuse and Disposal of Contaminated Soils and Sediments at Massachusetts Landfills*, where applicable.

The estimated mass of excavated soil to be transported from the Site as part of this RAM is approximately 2,216 to 4,277 cubic yards. The *Soil Management Plan* provided in Appendix C outlines the plan for soil management at the Site.

5.1 On-Site Soil Management

Contaminated soil excavation will take place with qualified field oversight personnel. Contractors will be required to implement means to prevent fugitive dust generation.

Excavated soils associated with the RAM will be stored on the Site and segregated into the following soil types by the degree of impact and proposed disposal facility:

- Type A – Pre-characterized soils for reuse on-site; excess Type-A soil also suitable for off-site reuse as cover material at a lined or unlined landfill facility. On-site reuse is restricted to the location from which the soils were excavated. Any other placement requires prior approval of the LSP;
- Type B – Suitable for unlined or lined landfill re-use (chemically unsuited for reuse on-site);
- Type C – Suitable for asphalt batch recycling (geotechnically unsuited for reuse on-site and/or chemically unsuited for reuse on-site or off-site);
- Type D – Non-hazardous waste landfill disposal (chemically unsuited for on or off-site reuse, and off-site recycling); and
- Type E – Soil requiring segregation and off-site treatment prior to disposal as a hazardous waste.

Soils types are further discussed in *Soil Management Plan* provided in Appendix D. The soil will be stockpiled on a minimum of 6-mil-thick polyethylene. Stockpiled materials will also be securely covered at the end of each work day or during periods of prolonged inactivity with a minimum of 6-mil-thick polyethylene overlapped and weighted to form a continuous waterproof barrier over the material. The cover will be maintained throughout the stockpile period to control water entering the stockpiled materials and to limit fugitive dust generation. The Site will be secured by a temporary fence around the perimeter that limits unauthorized entry and contact with stored materials by trespassers. Lined and covered roll-offs may also be utilized.

5.2 Off-Site Re-use, Recycling, and/or Disposal

Excavated soil that will be transported from the Site will be characterized as appropriate for off-site reuse, recycling, and/or disposal at a suitable facility. Several suitable off-site facilities are being considered, but the facility locations have not been finalized and will be coordinated through the City's selected remediation contractor. Analytical data collected during the previous investigations in the Walsh Field area will be used to explore disposal and pre-treatment options. Samples of stockpiled soils will be taken and submitted for laboratory analysis in order to characterize the excavated soil. The laboratory results will then be compared against Massachusetts reuse, recycling, and disposal criteria in accordance to MassDEP Policy# COMM-97-001 and Interim Policy #WSC-94-400.

Use of MassDEP COMM-97-001 and WSC-94-4000 tabulated acceptance criteria values does not preclude the use of out-of-state facilities that offer similar reuse (e.g., landfill daily cover) or recycling (e.g., asphalt batch) opportunities. Such opportunities may be evaluated and/or utilized on a case-by-case basis assuming facility acceptance criteria can be met and the facility is currently permitted within its regulatory jurisdiction for the reuse and/or recycling service provided.

Transportation of all materials from the site will be performed using a MassDEP Bill of Lading (BOL), Material Shipping Record (MSR) or Hazardous Waste Manifest, as appropriate, and will be performed within 120 days of stockpiling in accordance with 310 CMR 40.0030 of the MCP.

The transport of contaminated materials from the Site to the disposal facility will be in accordance with all United States Department of Transportation (DOT), United States Environmental Protection Agency (EPA), and MassDEP regulations, as appropriate. The hauler(s) will be licensed in all states affected by the transport of Site soil.

6.0 ENVIRONMENTAL MONITORING PLAN

TRC personnel will be onsite during the excavation and off-site transport for reuse, recycling and/or disposal of contaminated soil and will conduct environmental monitoring activities as described herein.

This section summarizes the protective measures that will be employed to minimize and control any potential pollution releases and to preserve environmental conditions at the site.

Remedial activities at the Site will be conducted in the areas shown in figures provided in Appendix B. All applicable work zones will be delineated and maintained throughout the duration of the project to closely monitor site activities, quality control and safety to ensure that the project objectives are achieved. In addition, access to the work zone will be regulated to prevent unauthorized entry.

6.1 Protection of Land Resources

The activities covered under this environmental monitoring plan specifically include all areas associated with soil excavation activities in the Walsh Field area. Protection of areas will be performed during mobilization, excavating and staging of materials and demobilization. Disturbed areas will be restored as necessary to their existing condition following completion of remedial activities.

All trucks and heavy equipment will be decontaminated prior to leaving the site to ensure that any loose soil debris does not impact outside properties. All heavy equipment will be decontaminated at an area that will be established in advance. This area will be used to support dry decontamination procedures (i.e., brushing-off of soil, etc.). All vehicles/equipment leaving the Site must stop and be inspected by TRC to ensure any excess soil or debris is removed from the vehicle and its tires.

6.1.1 Temporary Protection of Disturbed Areas

Preventative erosion and sedimentation control measures will be implemented in order to limit and retard run-off within the established work zone limits as necessary based on field observations. All disturbed areas will be protected as described in the Erosion Control and Sedimentation specifications in Section 6.1.2.

6.1.2 Erosion and Sedimentation Control Procedures

Erosion and sedimentation control procedures may be installed as shown in figures located in Appendix B, depending on field observations. As the Site generally exhibits a flat topography, and there are no catch basins located in the vicinity of the excavations, the use of sedimentation and erosion control measures is not anticipated to be required. If required based on field observations and site conditions, sedimentation and erosion controls will be constructed based on a supplement to this RAM. Sedimentation areas will be inspected daily to maintain compliance and to avoid siltation of surface water and groundwater. At the completion of remedial

activities, all sedimentation and erosion control measures will be removed and the area will be restored to its existing condition.

6.1.3 Soil Stockpile

Prior to excavation work, a temporary soil storage area will be established and clearly designated on-site for the contaminated excavated soil. The storage area will be lined with 6 mil (or higher) gauge polyethylene sheeting. In addition, the stockpiled soil will be covered with 6-mil (or higher) gauge polyethylene sheeting and will be surrounded by straw bales and/or silt fencing to prevent runoff. The polyethylene will be adequately secured to prevent damage or loss by wind or other elements. In the event of extreme weather conditions, additional actions will be taken to ensure appropriate containment of stockpiled soils. Surface water runoff will be directed away from the stockpile to prevent erosion and deterioration of materials. The stockpiles will not exceed 35 feet in height with maximum side slopes of 2:1 (horizontal: vertical).

6.2 Noise Protection

Protection against the effects of noise exposure will be provided when the sound levels exceed those limits as established by 29 CFR 1929.52 (Occupational Noise Exposure Standards). TRC will provide hearing protection to employees involved in the remedial activities to minimize potential exposures

6.3 Field Screening Associated with Soil Removal

Field screening of soil will be conducted as part of the RAM to monitor soil conditions and excavation progress.

6.3.1 Jar-Headspace Field Screening of Soils

VOCs are not a contaminant of concern at the Site. As a precaution, soil samples will be periodically screened via the MassDEP jar-headspace method for the potential presence of VOCs based on professional judgment.

6.4 Air Monitoring

On-site air monitoring will be conducted to evaluate Site working conditions to minimize exposures to workers and nearby residents.

6.4.1 Air Monitoring

Air monitoring will be performed using a combination of real-time dust monitoring upwind and downwind of the work area.

6.4.1.1 Real-Time Dust Monitoring

Based on the analytical results and observed depth of fill in the areas where excavation in support of paving is to occur, it is not anticipated that contaminated material will be encountered during these construction activities. During the excavation required for the installation of fence posts, a minimum amount of soil disturbance is anticipated and may not require dust monitoring. When potentially contaminated soils are encountered during RAM-related contaminated soil excavation and management activities, real-time field screening of breathing zone dust levels will be conducted using direct reading instruments that are designed to monitor air quality on a real-time basis. A second instrument will be used to monitor dust levels downwind of the excavation.

The dust monitoring units will be TSI Dustrak™ units, or equivalent, equipment with size-selective inlet for particles of 10 micrometers in diameter or less (PM_{10}). Background samples will be collected for at least 15 minutes at each location prior to the start of site activities. The continuous dust monitor uses a light scattering photometer to quantify particles and converts the counts to a concentration in units of milligrams per cubic meter (mg/m^3). This instrumentation has an accuracy of $0.001\ mg/m^3$. The dust monitoring instruments will be placed in weatherproof cases with an omni-directional probe to minimize wind interference. The dust monitoring instruments will be zeroed daily before use and at the end of the day. Data will be logged at 60-second intervals and will be monitored periodically by field personnel during RAM-related excavation activities. Data will be downloaded daily.

If sustained ambient dust levels exceed the EPA National Ambient Air Quality Standard (NAAQS) of $150\ \mu g/m^3$ at downwind sampling locations (a sustained reading would consist of a reading lasting 15 minutes or longer), dust suppression activities will be increased with a greater usage of water sprays. Monitoring levels are subject to change and may be made more stringent as additional soil data are obtained and evaluated.

6.4.2 VOC Air Monitoring

VOC air monitoring will be performed using a photo-ionization detector (PID) to monitor for the presence of VOCs within the work area breathing zone. Based on previously existing site data, significant VOC emissions are not expected during construction, but field monitoring of the breathing zone for VOCs will be conducted as a precaution.

Instrument readings from breathing zones within the work zone will be used to help evaluate the need for instituting additional safety measures or upgrading personal protective equipment (PPE) levels.

7.0 FEDERAL, STATE & LOCAL PERMITS

7.1 Federal Permit Requirements

There are no known Federal environmental permit requirements.

7.2 State Permit Requirements

There are no known State environmental permit requirements.

7.3 Local Permit Requirements

There are no known Local environmental permit requirements.

7.4 Miscellaneous Fees, Notices, and Transportation Documentation

Because the Site is not Tier Classified under the MCP, an \$800 RAM Plan fee must be submitted to MassDEP concurrent with this RAM Plan. The \$800 fee has been submitted to the MassDEP lock box at DEP, P.O. Box 4062, Boston, MA, 02211-4062. Appendix D contains a copy of the check for the RAM Plan fee for documentation purposes.

Massachusetts Dig-Safe must be notified at least 72 hours prior to commencing the excavation activities described in this RAM Plan. The City or City's contractor will be responsible for construction/refurbishment related Digsafe notifications.

All soil material that is transported from the site must be transported under a MassDEP BOL that contains the signature and seal of the LSP of record for the site, or under a MSR or hazardous waste manifest as appropriate.

8.0 SEAL & SIGNATURE OF LICENSED SITE PROFESSIONAL

The Licensed Site Professional (LSP) overseeing this RAM is:

David M. Sullivan, LSP, CHMM
LSP License Number: 1488
TRC Environmental Corporation
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854
(978) 656-3565

This RAM Plan has been prepared in accordance with 310 CMR 40.0444 as set forth in the MCP.

David M. Sullivan
David M. Sullivan, LSP, CHMM
TRC Environmental Corporation
Licensed Site Professional No. 1488

10/5/09
Date



Stamp

9.0 CERTIFICATION OF FINANCIAL RESOURCES

In accordance with 310 CMR 40.0442(5) of the MCP, the City of New Bedford attests to the availability of sufficient financial resources for the transportation and recycling or disposal of excess and unsuitable soils.

10.0 OTHER RELEVANT INFORMATION

10.1 Public Involvement

As required by 310 CMR 40.1403(3)(d), the Mayor and the Board of Health for the City of New Bedford were notified in writing of the proposed RAM activities. Copies of the notification letters that were sent to the Mayor and Board of Health are provided in Appendix E.

11.0 REFERENCES

- MassGIS, 2008 Massachusetts Geographic Information System (MassGIS), On-line MassDEP Priority Resource Map. Accessed July 28, 2008.
<http://maps.massgis.state.ma.us/21e/viewer.htm>
- MassDEP, 2002 *Technical Update – Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil*. Prepared by the Massachusetts Department of Environmental Protection (MassDEP) Office of Research and Standards. May 2002.
- MassDEP, 1994 *Interim Remediation Waste Management Policy for Petroleum Contaminated Soils*, WSC-94-400,
- MassDEP, 1997 COMM#97-001 *Reuse and Disposal of Contaminated Soils and Sediments at Massachusetts Landfills*.

TABLES

TABLE 3-1
Summary of Soil Analytical Detected Results
Football Field Area (WF-1)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFA-II | | WFAII-A | | WFAII-B | | WFAII-C | | WFAII-D | | WFAII-E | | WFAII-F | | |
|--------------------------------------|-------------------------|------------------|----------|----------|----------|--------|-------|--------------------|----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 2/23/2006 0-0.5 | 2/23/2006 1.5-2.5 | 0-1 02/19/09 | 1-3 02/19/09 | Field Dpt. |
| VOCs (mg/kg) | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | 0.280 U | NA | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | 0.280 U | NA | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | 0.280 U | NA | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 0.280 U | NA | |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | 0.380 | NA | |
| | Benz(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | 0.380 | NA | |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | 0.520 | NA | |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 0.360 | NA | |
| | Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | 0.280 U | NA | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | 0.340 | NA | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | 0.310 | NA | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 0.620 | NA | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 0.280 U | NA | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | 0.280 U | NA | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | 0.280 U | NA | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | 0.280 U | NA | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 0.570 | NA | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.029 U | 0.028 U | NA | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.029 U | 0.028 U | NA | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.029 U | 0.028 U | NA | |
| Pesticides (mg/kg) | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Endosulfan sulfate | NS | NS | NS | NS | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | 1.23 | NA | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | NA | 67.2 U | NA | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 288 | NA | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | 6.72 U | NA | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | 25.8 | NA | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | 1,230 | 168 | 498 | 160 | 1,420 | 119 | 606 | 163 | 1,100 | 254 | 289 | 759 | 433 | 318 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | 161 U | NA | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | 18.8 U | NA | |
| | Thallium | 8 | 8 | 60 | 60 | 8 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, TCLP (mg/L) | [Lead, TCLP] | NS | NS | NS | NS | NS | 5.0** | NA | 1.2 | NA | |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | | | | | | | | | | | | | | | |

TABLE 3-1
Summary of Soil Analytical Detected Results
Football Field Area (WF-1)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFA11-G | | WFA11-H | | WFA-12 | WFB-11 | WFBII-A | | | WFBII-B | | | WFBII-C | | | WFBII-D | | | WFBII-E | |
|-----------------------------|------------------------|------------------|----------|--------------------|----------|-----------------|-----------------|-----------------|-----------------|--------------------|-----------------|-----------------|------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------|--|
| | | Sample Date: | | Sample Depth (ft.) | | 0-1 02/19/09 | 1-3 02/19/09 | 0-1 02/19/09 | 1-3 02/19/09 | 2/23/2006 1-2.5 | 0-1 02/19/09 | 1-3 02/19/09 | 1-3 02/19/09 Field Dup | 0-1 02/19/09 | 1-3 02/19/09 | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | 0.071 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | 0.300 U | 0.270 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | 0.300 U | 0.270 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | 0.370 | 0.270 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.670 | 0.390 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | 1.40 | 1.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | 1.40 | 0.760 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | 1.70 | 1.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.930 | 0.610 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | 0.640 | 0.350 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | 1.50 | 1.10 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Dibenzo(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | 0.840 | 0.510 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 2.40 | 1.90 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.300 U | 0.270 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | 0.300 U | 0.270 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | 0.300 U | 0.270 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | 1.30 | 2.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 2.40 | 2.20 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | 0.030 U | 0.027 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | 0.030 U | 0.027 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | 0.030 U | 0.027 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| Pesticides (mg/kg) | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | 0.019 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | 0.0062 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Endosulfan sulfate | NS | NS | NS | NS | 0.5 | N/A | NA | NA | 0.0019 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | 0.391 | 1.42 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | NA | NA | 7.12 U | 16.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 436 | 214 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | 0.712 U | 0.666 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | 13 | 21.9 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 136 | 57.0 | 124 | 1,030 | 395 | 1240 | 91.2 | 1,690 | 2,410 | 103 | 1,300 | 107 | 526 | 89.3 | 869 | 149 | 2,910 | | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | 17.1 U | 16.0 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | 1.99 U | 1.86 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Thallium | 8 | 8 | 60 | 60 | 8 | | | | | | | | | | | | | | | | | | | | | |

TABLE 3-1
Summary of Soil Analytical Detected Results
Football Field Area (WF-1)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | WFC13-A | | | WFC13-B | | | WFC13-C | | | WFC13-D | | | WFC13-E | | | WFD-10.75 | | WFD-13 | | WFD13-A | | WFD13-B | |
|-----------------------------|------------------------|------------------|----------|----------|----------|--------|---------|-----------------|-----------------|------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|-----------------------|------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------|--|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0-1 02/19/09 | I-3 02/19/09 | I-3 02/19/09 Field Dep | 0-1 02/19/09 | I-3 02/19/09 | 0-1 02/19/09 | I-3 02/19/09 | 0-1 02/19/09 | I-3 02/19/09 | 0-1 02/19/09 | I-3 02/19/09 | 2/23/2006 2-2.5 | 2/23/2006 1.75-2.5 | 2/23/2006 1.75-2.5 Field Dep | 0-1 02/19/09 | I-3 02/19/09 | 0-1 02/19/09 | I-3 02/19/09 | 0-1 02/19/09 | I-3 02/19/09 | | |
| VOCs (mg/kg) | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 2.10 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 0.890 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 3.20 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 0.370 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 4.80 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 6.50 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 6.40 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 5.80 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 2.20 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 6.40 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 5.50 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Dibenzo(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 1.10 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 18.0 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 2.90 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 2.10 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 1.90 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 19.0 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.310 U | 17.0 | NA | NA | NA | NA | NA | NA | NA | NA | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.031 U | 0.11 U | 0.12 U | NA | NA | NA | NA | NA | NA | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.031 U | 0.11 U | 0.12 U | NA | NA | NA | NA | NA | NA | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | I | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.031 U | 0.23 U | 0.24 U | NA | NA | NA | NA | NA | NA | | |
| Pesticides (mg/kg) | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Endosulfan sulfate | NS | NS | NS | NS | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.109 | 0.368 | 0.467 | NA | NA | NA | NA | NA | NA | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 7.86 U | 7.57 | 6.25 | NA | NA | NA | NA | NA | NA | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 66.6 | 313 | 219 | NA | NA | NA | NA | NA | NA | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Cadmium | 2 | 2 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.786 U | 0.43 | 0.44 | NA | NA | NA | NA | NA | NA | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 5.60 | 27 | 20 | NA | NA | NA | NA | NA | NA | | |
| | Lead | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3-1
Summary of Soil Analytical Detected Results
Football Field Area (WF-1)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFD13-C | | WFD13-D | | WFE-11 | | WFE-13 | | WFF-11 | | WFF-12 | | WFF-13 | | SB-244 | | SB-245 | | SB-246 | | SB-247 | | SB-248 | | | | | | | |
|--------------------------------|------------------------|------------------|----------|-----------------|----------|-----------------|------|-----------------|----|-----------------|-------|--------------------|------|------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|----------------------|-------|------------------|-------|------------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|---|--------|---|
| | | Sample Date: | | 0-1 02/19/09 | | 1-3 02/19/09 | | 0-1 02/19/09 | | I-3 02/19/09 | | 2/23/2006 2-2.5 | | 2/23/2006 1-3 | | 2/23/2006 0-0.5 | | 2/23/2006 I-2.5 | | 2/23/2006 0-0.5 | | 2/23/2006 1.5-2.5 | | 2/23/2006 0-1 | | 2/23/2006 1-3 | | 7/11/2008 | | 7/11/2008 | | 7/11/2008 | | 7/11/2008 | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | 0.062 | U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.069 | U | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | 0.260 | U | NA | NA | 0.300 | U | NA | NA | 0.370 | U | NA | 0.069 | U | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.220 | U | | | | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | 0.260 | U | NA | NA | 0.300 | U | NA | NA | 0.370 | U | NA | 0.069 | U | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.220 | U | | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | 0.260 | U | NA | NA | 0.490 | NA | NA | NA | 0.370 | U | NA | 0.680 | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.260 | U | NA | NA | 0.590 | NA | NA | NA | 0.370 | U | NA | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | | |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | 0.500 | NA | NA | NA | 3.20 | NA | NA | NA | 0.870 | NA | 1.80 | 0.196 | U | 0.315 | 0.213 | 0.202 | 0.269 | 0.293 | | | | | | | | | | |
| | Benz(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | 0.380 | NA | NA | NA | 3.50 | NA | NA | NA | 0.680 | NA | 2.0 | 0.196 | U | 0.252 | 0.204 | 0.201 | U | 0.243 | 0.302 | | | | | | | | | |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | 1.0 | NA | NA | NA | 3.70 | NA | NA | NA | 0.820 | NA | 1.40 | 0.196 | U | 0.307 | 0.233 | 0.234 | 0.328 | 0.390 | | | | | | | | | | |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.450 | NA | NA | NA | 2.30 | NA | NA | NA | 0.460 | NA | 0.870 | 0.196 | U | 0.193 | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | | | |
| | Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | 0.260 | U | NA | NA | 1.40 | NA | NA | NA | 0.370 | U | NA | 2.40 | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | 0.720 | NA | NA | NA | 3.10 | NA | NA | NA | 0.790 | NA | 2.50 | 0.196 | U | 0.335 | 0.215 | 0.216 | 0.296 | 0.317 | | | | | | | | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | 0.340 | NA | NA | NA | 2.0 | NA | NA | NA | 0.420 | NA | 0.310 | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.750 | NA | NA | NA | 4.50 | NA | NA | NA | 1.70 | NA | 5.10 | 0.196 | U | 0.668 | 0.370 | 0.337 | 0.463 | 0.504 | | | | | | | | | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.260 | U | NA | NA | 0.300 | U | NA | NA | 0.370 | U | NA | 0.390 | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | 0.260 | U | NA | NA | 0.570 | NA | NA | NA | 0.370 | U | NA | 0.760 | 0.196 | U | 0.219 | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | 0.260 | U | NA | NA | 0.300 | U | NA | NA | 0.370 | U | NA | 0.069 | U | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | 0.350 | NA | NA | NA | 1.20 | NA | NA | NA | 0.530 | 0.196 | U | 0.626 | 0.331 | 0.267 | 0.230 | 0.241 | | | | | | | | | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.480 | NA | NA | NA | 5.60 | NA | NA | NA | 1.50 | NA | 6.30 | 0.208 | 0.640 | 0.385 | 0.329 | 0.427 | 0.442 | | | | | | | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | N/A | NA | NA | 0.025 | U | 0.12 | U | 0.110 | 0.030 | U | 0.030 | U | 0.037 | U | 0.12 | U | 0.14 | U | 0.0580 | U | 0.0528 | U | 0.0604 | U | 0.0618 | U | 0.0586 | U | 0.0642 | U |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | N/A | NA | NA | 0.025 | U | 0.12 | U | 0.075 | 0.040 | 0.045 | 0.040 | 0.045 | 0.037 | U | 0.12 | U | 0.14 | U | 0.0580 | U | 0.0528 | U | 0.0604 | U | 0.0618 | U | 0.0586 | U | 0.0642 | U |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | N/A | NA | NA | 0.025 | U | 0.23 | U | 0.185 | 0.040 | 0.045 | 0.037 | U | 0 | | | | | | | | | | | | | | | | | |

TABLE 3-1
Summary of Soil Analytical Detected Results
Football Field Area (WF-1)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-249 | | | | | | SB-250 | | | | | | SB-251 | | | | | | SB-351 | | | | | | SB-352 | | | | | |
|-----------------------------|------------------------|------------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|------------------|---------------------|----------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|------------------|---------------------|----------------|---------------------|------------------|---------------------|--------------------|---------------------|------------------|---------------------|------------------|---------|---------|---------|
| | | S-1/GW-2 | | S-1/GW-3 | | S-2/GW-2 | | S-2/GW-3 | | RC S-1 | | TSCA | | 0.5 7/11/2008 | | 2 7/11/2008 | | 0.5 7/11/2008 | | 0.1 2/16/2009 | | 1-3 2/16/2009 | | 3.5 2/16/2009 | | 7 2/16/2009 | | 0-1 2/16/2009 | | 1-2.5 2/16/2009 | | 3.5 2/16/2009 | | 6.5 2/16/2009 | | | |
| | | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | Sample Date: | Sample Depth (ft.): | | | | |
| VOCs (mg/kg) | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.223 U | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | | | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.223 U | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.223 U | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.223 U | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.234 | 0.307 | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.259 | 0.306 | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.333 | 0.326 | 0.295 | 0.233 | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.223 U | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | 0.201 U | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.223 | 0.252 | 0.315 | 0.235 | 0.189 U | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.191 U | 0.201 U | 0.201 U | 0.192 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.252 | 0.315 | 0.235 | 0.189 | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.192 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.223 | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.192 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.380 | 0.505 | 0.414 | 0.228 | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.192 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.223 | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.236 U | 0.201 U | 0.231 U | 0.191 U | 0.201 U | 0.201 U | 0.192 U | 0.192 U | 0.201 U | 0.201 U | 0.201 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U | 0.192 U |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3-2
Summary of Soil Analytical Detected Results
Soccer Field Area (WF-2)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFE-1 | | WFE-2 | | WFE-4 | | WFE-5 | | WFE-5-A | | WFE-5-B | | | WFE-5-C | | | WFE-5-D | | | |
|-----------------------------|------------------------|--------------------|----------|----------|----------|----------|--------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|
| | | Sample Date: | | | | | | 2/23/2006 | 2/23/2006 | 2/23/2006 | 2/23/2006 | 2/23/2006 | 2/23/2006 | 2/23/2009 | 0-1 | 1-3 | 0-1 | 1-3 | 0-1 | 1-3 | 0-1 | 1-3 | 0-1 | 1-3 | | | |
| | | Sample Depth (ft.) | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0.75-2.5 | 0.75-2.5 | 1.75-2.5 | 2-2.5 | 1.75-2.5 | 2/23/2009 | 2/23/2009 | 2/23/2009 | 2/23/2009 | 2/23/2009 | 2/23/2009 | 2/23/2009 | 2/23/2009 | 2/23/2009 | 2/23/2009 | 2/23/2009 | | | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | 0.230 | NA | 0.130 | 0.062 | U | 0.065 | U | NA | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.077 | NA | 0.130 | 0.062 | U | 0.065 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.233 | U | 0.222 | U | 0.212 | U | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.370 | NA | 0.220 | 0.062 | U | 0.065 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.233 | U | 0.222 | U | 0.212 | U | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.560 | NA | 0.810 | 0.062 | U | 0.065 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.233 | U | 0.222 | U | 0.212 | U | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 1.10 | NA | 1.70 | 0.083 | 0.065 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.233 | U | 0.222 | U | 0.212 | U | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 2.70 | NA | 3.30 | 0.170 | 0.140 | U | 0.236 | U | 0.233 | U | 0.202 | U | 0.233 | U | 0.283 | 0.260 | 4.03 | 0.245 | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 3.0 | NA | 2.40 | 0.150 | 0.170 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.233 | U | 0.254 | 0.235 | 3.27 | 0.229 U | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 2.40 | NA | 2.10 | 0.130 | U | 0.110 | U | 0.237 | U | 0.202 | U | 0.233 | U | 0.281 | 0.263 | 3.77 | 0.231 | | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 1.60 | NA | 1.30 | 0.079 | 0.077 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.233 | U | 0.222 | U | 0.212 | U | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 2.30 | NA | 2.70 | 0.170 | 0.210 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.233 | U | 0.222 | U | 0.212 | U | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 2.40 | NA | 3.0 | 0.180 | 0.130 | U | 0.236 | U | 0.296 | U | 0.202 | U | 0.233 | U | 0.338 | 0.290 | 3.93 | 0.293 | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.650 | NA | 0.670 | 0.062 | U | 0.065 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.233 | U | 0.222 | U | 0.212 | U | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 5.80 | NA | 5.50 | 0.320 | 0.270 | U | 0.236 | U | 0.489 | U | 0.202 | U | 0.233 | U | 0.488 | 0.443 | 6.48 | 0.371 | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.370 | NA | 0.460 | 0.062 | U | 0.065 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.233 | U | 0.222 | U | 0.212 | U | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 1.40 | NA | 1.0 | 0.062 | U | 0.065 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.233 | U | 0.223 | 0.212 U | 1.28 | 0.229 U | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.150 | NA | 0.220 | 0.062 | U | 0.065 | U | 0.236 | U | 0.225 | U | 0.202 | U | 0.524 | 0.222 U | 0.212 U | 0.212 U | 0.229 U | 0.763 | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 4.50 | NA | 5.70 | 0.240 | 0.160 | U | 0.236 | U | 0.484 | U | 0.202 | U | 0.233 | U | 0.514 | 0.389 | 7.96 | 0.342 | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 5.40 | NA | 6.40 | 0.400 | 0.360 | U | 0.236 | U | 0.622 | U | 0.257 | U | 0.289 | U | 0.748 | 0.604 | 8.15 | 0.630 | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.577 | 0.585 | 0.108 | 0.130 | 0.420 | NA | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 3.37 | 4.92 | 8.29 | 8.46 | 9.31 | NA | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 58 | 278 | 46 | 490 | 224 | NA | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | | |
| | Cadmium | 2 | 2 | 30 | 30 | 30 | N/A | 0.79 | 0.83 | 0.46 | 0.83 | 61.0 | 0.750 | 0.830 | 0.310 | U | 0.880 | 0.710 | 0.560 | 1.93 | 0.550 | 0.950 | NA | NA | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 9.02 | 9.32 | 5.14 | 11 | 22 | NA | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 311 | 1160 | 244 | 339 | 562 | 3,360 | 1,830 | 40.7 | 268 | 254 | 214 | 654 | 253 | 1,040 | NA | NA | NA | NA | NA | NA |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | | |
| | Silver | 100 | 10 | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3-2
Summary of Soil Analytical Detected Results
Soccer Field Area (WF-2)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFE-5-E | | WFE-5-F | | WFE-5-G | | WFE-5-H | | WFE-5-I | | | WFE-5-J | |
|--------------------------------------|-------------------------|-------------------------------------|----------|----------|----------|--------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------------|-----------------|-----------------|-----------------|-----------------|
| | | Sample Date: Sample Depth (ft.): | | | | | | 0-1 02/23/09 | 1-3 02/23/09 | 0-1 02/23/09 | 1-3 02/23/09 | 0-1 02/23/09 | 1-3 02/23/09 | 0-1 02/23/09 | 1-3 02/23/09 | 0-1 03/11/09 Field Dup | 0-1 03/11/09 | 1-3 03/11/09 | 0-1 03/11/09 | 1-3 03/11/09 |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | 0.243 U | 0.214 | NA | NA | NA | NA | NA | NA | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | 0.243 U | 0.334 | NA | NA | NA | NA | NA | NA | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | 0.243 U | 0.214 U | NA | NA | NA | NA | NA | NA | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | 0.243 U | 0.249 | NA | NA | NA | NA | NA | NA | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | 0.243 U | 0.412 | NA | NA | NA | NA | NA | NA | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | NA | NA | NA | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 91 | 2,500 | 4.83 | 839 | 100 | 303 | 220 | 267 | 217 | 239 | 1,250 | 108 | 1,490 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | | |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | | |
| Metals, TCLP (mg/L) | Cadmium, TCLP | NS | NS | NS | NS | NS | 1.0 ⁽¹⁾ | NA | NA | NA | | |
| | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ⁽¹⁾ | NA | NA | NA | | |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as appl

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(1) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

Sampling locations targeted for excavation.

Sample collected from greater than 3 feet below ground surface and not used to develop exposure point concentrations.

TABLE 3-2
Summary of Soil Analytical Detected Results
Soccer Field Area (WF-2)
Walsh Field
New Bedford, Massachusetts

Notes

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

N/A - Not applicable.

U - Compound was not detected at

Values in **Bold** indicate the compound was detected.

Values shown in Bold and shaded type exceed one c

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls-

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria

Data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

Data are based on the "Summary of Analytical" (1). SW-846 Chapter 3, Table 3-1, Method.

(1) - SW-846 Chapter 7, Table 7-1, M

Sampling locations

Sample collected from greater

TABLE 3-2
Summary of Soil Analytical Detected Results
Soccer Field Area (WF-2)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFF-5-D | | SB-238 | | SB-239 | | SB-240 | | SB-241 | | SB-242 | | SB-243 | | SB-358 | | | | | | | | | |
|-----------------------------|------------------------|------------------|----------|---------------------|----------|--------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | | Sample Date: | | Sample Depth (ft.): | | 0-1 | | 1-3 | | 0.5 | | 0.5 | | 0.5 | | 0.5 | | 0.5 | | 0.5 | | 0-1 | | 1-3 | | 4 | | 4 | | 9.5-10 | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 2/23/2009 | 2/23/2009 | 7/11/2008 | 7/11/2008 | 7/11/2008 | 7/11/2008 | 7/11/2008 | 7/11/2008 | 7/11/2008 | Field Dup | 2/16/2009 | 2/16/2009 | 2/16/2009 | 2/16/2009 | 2/16/2009 | 2/16/2009 | Field Dup | 2/16/2009 | 2/16/2009 | 2/16/2009 | 2/16/2009 | 2/16/2009 | 2/16/2009 | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | NA | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.192 U | 0.192 U | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.216 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.194 U | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.192 U | 0.192 U | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.216 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.194 U | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.192 U | 0.192 U | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.216 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.194 U | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.192 U | 0.192 U | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.216 U | 0.353 | 0.194 U | 0.216 U | 0.353 | 0.194 U | 0.216 U | 0.353 | 0.194 U | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.192 U | 0.589 | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.587 | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.216 U | 2.04 | 0.194 U | 0.216 U | 2.04 | 0.194 U | 0.216 U | 2.04 | 0.194 U | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.192 U | 0.579 | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.612 | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.216 U | 1.67 | 0.194 U | 0.216 U | 1.67 | 0.194 U | 0.216 U | 1.67 | 0.194 U | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.192 U | 0.615 | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.277 | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.260 | 2.05 | 0.194 U | 0.260 | 2.05 | 0.194 U | 0.260 | 2.05 | 0.194 U | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.192 U | 0.273 | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.252 | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.461 | 0.194 U | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.192 U | 0.260 | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.928 | 0.194 U | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.192 U | 0.616 | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.458 | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.221 | 1.90 | 0.194 U | 0.221 | 1.90 | 0.194 U | 0.221 | 1.90 | 0.194 U | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.192 U | 0.192 U | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.216 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.194 U | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.192 U | 0.897 | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.197 | 0.464 | 3.21 | 0.194 U | 0.464 | 3.21 | 0.194 U | 0.464 | 3.21 | 0.194 U | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.192 U | 0.192 U | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.216 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.194 U | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.192 U | 0.335 | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.216 U | 0.675 | 0.194 U | 0.216 U | 0.675 | 0.194 U | 0.216 U | 0.675 | 0.194 U | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.192 U | 0.192 U | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.216 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.225 U | 0.194 U | 0.194 U | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.192 U | 0.454 | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.185 U | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.189 U | 0.288 | 1.21 | 0.194 U | 0.288 | 1.21 | 0.194 U | 0.288 | 1.21 | 0.194 U | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.192 U | 1.07 | 0.181 U | 0.178 U | 0.197 U | 0.193 U | 0.188 U | 0.245 | 0.181 U | 0.198 U | 0.189 U | 0.181 U | 0.198 U | 0.339 | 0.315 | 2.96 | 0.194 U | 0.339 | 0.315 | 2.96 | 0.194 U | 0.339 | 0.315 | 0.194 U |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | 0.050 | 0.055 | 0.043 | 0.047 | 0.046 | 0.048 | 0.041 | 0.044 | 0.044 | 0.046 | | | | | | | | | | | | |

TABLE 3-3
Summary of Soil Analytical Detected Results
Practice Area (WF-3)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFA-6 | | WFA-10 | | WFA10-A | | WFA10-B | | WFA10-C | | WFA10-D | | WFA10-E | | WFA10-F | | WFA10-G | | WFB-5 | |
|---------------------------------------|------------------------|------------------|----------|----------|----------|--------|------|-----------|-----------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | Sample Date: | | | | | | 2/23/2006 | 2/23/2006 | 0-1 1.5-2.5 | 0-1 1.5-2.5 | 0-1 02/20/09 | 1-3 02/20/09 |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 2-3 | | | | | | | | | | | | | | | | | | | |
| PAHs / Dibenzofuran (mg/kg) | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.280 | U | 0.410 | U | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.280 | U | 0.410 | U | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.280 | U | 0.410 | U | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.280 | U | 0.410 | U | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.280 | U | 0.550 | U | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.280 | U | 0.790 | U | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.280 | U | 0.950 | U | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.280 | U | 0.630 | U | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.280 | U | 0.410 | U | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.280 | U | 0.660 | U | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.280 | U | 0.500 | U | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.280 | U | 0.750 | U | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.280 | U | 0.410 | U | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.280 | U | 0.410 | U | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.280 | U | 0.410 | U | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.280 | U | 0.410 | U | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.280 | U | 0.870 | U | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | I | 0.250 | | 0.040 | U | NA | 0.1 | U |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | I | 0.028 | U | 0.052 | U | NA | 0.1 | U |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | I | 0.250 | | 0.052 | U | NA | 0.2 | U |
| Pesticides (mg/kg) | alpha-BHC | NS | NS | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.326 | | 0.162 | | NA |
| | Antimony | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 6.95 | U | 28.7 | U | NA |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 3,000 | N/A | 27.8 | U | 280 | U | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.695 | U | 3.82 | U | 0.6 | 2.66 | 0.39 | 0.62 | 0.50 | 0.95 | 0.49 | 0.68 | 0.31 | 0.55 | NA | NA | NA | NA | NA | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 6.59 | | 41.8 | | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 48.0 | | 1160 | | 205 | | | | | | | | | | | | | | | |

TABLE 3-3
Summary of Soil Analytical Detected Results
Practice Area (WF-3)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Date: Sample Depth (ft.) | | | | | | WFB-7 | WFB-8 | WFB-10 | | WFC-6 | WFC-7 | WFC-8 | WFC-9 | WFC-10 | WFD-5 | | WFD-6 | | WFD-6-A | |
|---------------------------------------|------------------------|--|----------|----------|----------|--------|------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 2/23/2006 2-2.5 | 2/23/2006 2-2.5 | 2/23/2006 0-0.5 | 2/23/2006 2-2.5 | 2/23/2006 1.5-3 | 2/23/2006 2-2.5 | 2/23/2006 1-2.5 | 2/23/2006 2-2.5 | 2/23/2006 0-1 | 2/23/2006 1-2.5 | 2/23/2006 1.5-3 | 0-1 02/23/09 | 1-3 02/23/09 | 0-1 02/23/09 | 1-3 02/23/09 |
| PAHs / Dibenzofuran (mg/kg) | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.330 U | 0.280 U | NA | NA | 0.350 U | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.300 U | NA | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.330 U | 0.280 U | NA | NA | 0.350 U | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.300 U | NA | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.770 | 0.280 U | NA | NA | 0.600 | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.310 | NA | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 1.10 | 0.280 U | NA | NA | 0.380 | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.350 | NA | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 3.0 | 0.280 U | NA | NA | 1.20 | 0.300 U | 0.360 | 0.510 | 0.560 | NA | 0.710 U | 0.750 | NA | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 2.50 | 0.280 U | NA | NA | 1.10 | 0.300 U | 0.370 | 0.510 | 0.540 | NA | 0.710 U | 0.730 | NA | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 3.20 | 0.280 U | NA | NA | 1.30 | 0.300 U | 0.460 | 0.640 | 0.630 | NA | 0.710 U | 0.910 | NA | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 1.80 | 0.280 U | NA | NA | 0.880 | 0.300 U | 0.320 U | 0.390 | 0.390 | NA | 0.710 U | 0.690 | NA | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.990 | 0.280 U | NA | NA | 0.450 | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.320 | NA | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 3.40 | 0.280 U | NA | NA | 1.50 | 0.300 U | 0.410 | 0.590 | 0.610 | NA | 0.710 U | 0.900 | NA | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 1.60 | 0.280 U | NA | NA | 0.660 | 0.300 U | 0.320 U | 0.340 | 0.300 U | NA | 0.710 U | 0.550 | NA | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 5.90 | 0.280 U | NA | NA | 2.0 | 0.300 U | 0.710 | 1.30 | 0.800 | NA | 0.710 U | 1.30 | NA | NA | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.450 | 0.280 U | NA | NA | 0.350 U | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.300 U | NA | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.450 | 0.280 U | NA | NA | 0.350 U | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.300 U | NA | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.330 U | 0.280 U | NA | NA | 1.10 | 0.300 U | 0.360 | 0.660 | 0.300 U | NA | 0.710 U | 0.810 | NA | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 4.30 | 0.280 U | NA | NA | 2.60 | 0.300 U | 0.630 | 1.20 | 0.850 | NA | 0.710 U | 1.40 | NA | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 6.50 | 0.280 U | NA | NA | | | | | | | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.034 U | 0.029 U | 0.039 | 0.029 U | 0.035 U | 0.030 U | 0.033 U | 0.029 U | 0.030 U | 0.1 U | 0.1 U | 0.031 U | NA | NA | |
| | Aroclor 1260 | 2 | 2 | 3 | 2 | 1 | 1 | 0.034 U | 0.029 U | 0.037 | 0.029 U | 0.035 U | 0.030 U | 0.033 U | 0.036 | 0.030 U | 0.1 U | 0.1 U | 0.031 U | NA | NA | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.034 U | 0.029 U | 0.076 | 0.029 U | 0.035 U | 0.030 U | 0.033 U | 0.036 | 0.030 U | 0.2 U | 0.2 U | 0.031 U | NA | NA | |
| Pesticides (mg/kg) | alpha-BHC | NS | NS | NS | NS | 50 | N/A | NA | 0.001 U | NA | 0.0024 | NA | NA | NA | NA | NA |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | 0.014 | NA | 0.026 | NA | NA | NA | NA | NA |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | 540 | NA | NA | NA | NA | NA | NA | 0.0021 U | NA | 0.0064 | NA | NA | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 3.09 | 0.174 | NA | NA | 0.726 | 4.62 | 0.474 | 0.452 | 1.26 | NA | 0.553 | 0.307 | NA | NA | NA |
| | Antimony | 20 | 20 | 30 | 30 | 20 | N/A | 26.5 | 9.78 | NA | NA | 17.1 | 14.5 | 7.88 U | 15.5 | 12.0 | NA | 22 | 30.4 | NA | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 400 | 68.9 | NA | NA | 237 | 197 | 48.9 | 242 | 182 | NA | 973 | 466 | NA | NA | NA |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 400 | 68.9 | NA | NA | NA | NA | NA | NA | NA | NA | 5.97 | 41.4 | 0.340 U | 0.590 | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 10.4 | 0.679 U | NA | NA | 1.19 | 0.737 U | 0.788 U | 0.697 U | 0.748 U | NA | 19 | 156 | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 24.3 | 10.4 | NA | NA | 25.2 | 14.4 | 10.8 | 19.8 | 18.1 | NA | 5.97 | 41.4 | 0.340 U | 0.590 | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 540 | 68 | NA | NA | 525 | 354 | 76.3 | 207 | 871 | NA | 772 | 464 | 42.3 | 530 | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 540 | 68 | NA | NA | 525 | 354 | 76.3 | 207 | 871 | | | | | | |

TABLE 3-3
Summary of Soil Analytical Detected Results
Practice Area (WF-3)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFD6-B | | WFD6-C | | WFD6-D | | WFD6-E | | WFD6-H | | WFD-8 | | WFD-9 | | WFD-10 | | WFE-9 | | WFF-10 | |
|---------------------------------------|------------------------|------------------|----------|----------|----------|--------|------|-----------------|-----------------|-----------------|-----------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------------------|--------------------|--------------------|------------------|----------------------|--------------------|-----|--------|--|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0-1 02/23/09 | 1-3 02/23/09 | 0-1 02/23/09 | 1-3 02/23/09 | Field Dup | 0-1 02/23/09 | 1-3 02/23/09 | 0-1 02/23/09 | 1-3 02/23/09 | 0-1 02/23/09 | 1-3 02/23/09 | 2/23/2006 2-2.5 | 2/23/2006 2-2.5 | 2/23/2006 0-0.5 | 2/23/2006 1-2 | 2/23/2006 1.5-2.5 | 2/23/2006 2-2.5 | | | |
| PAHs / Dibenzofuran (mg/kg) | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.280 U | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.280 U | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.280 U | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.280 U | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | | | |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.470 | 0.330 U | NA | 0.310 | 0.430 | 0.310 U | | | |
| | Benz(o)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.400 | 0.330 U | NA | 0.300 | 0.320 | 0.310 U | | | |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.570 | 0.330 U | NA | 0.380 | 0.540 | 0.310 U | | | |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.330 | 0.330 U | NA | 0.280 U | 0.320 | 0.310 U | | | |
| | Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.280 U | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.580 | 0.330 U | NA | 0.350 | 0.770 | 0.310 U | | | |
| | Diben(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.280 U | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.730 | 0.330 U | NA | 0.570 | 0.710 | 0.310 U | | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.280 U | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.280 U | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.490 | 0.330 U | NA | 0.370 | 0.590 | 0.310 U | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.880 | 0.330 U | NA | 0.550 | 0.670 | 0.310 U | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.028 | 0.033 U | 0.048 | 0.029 U | 0.030 U | 0.032 U | | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.028 | 0.033 U | 0.044 | 0.029 U | 0.030 U | 0.032 U | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.028 | 0.033 U | 0.092 | 0.029 U | 0.030 U | 0.032 U | | | |
| Pesticides (mg/kg) | alpha-BHC | NS | NS | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.0011 U | NA | NA | NA | NA | NA | | | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.0048 | NA | NA | NA | NA | NA | | | |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.0021 U | NA | NA | NA | NA | NA | | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.309 | 0.0627 U | NA | 1.13 | 0.100 | 0.0636 U | | | |
| | Antimony | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 9.67 | 13.9 | NA | 10.9 | 21.5 | 8.04 U | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 82.9 | 218 | NA | 173 | 453 | 101 | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.340 U | 0.290 U | 0.340 U | 0.290 U | 0.320 U | 0.360 U | 0.520 | 0.37 U | 0.35 U | 0.79 | 0.673 U | 0.782 U | NA | 0.703 U | 0.716 U | 0.804 U | | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 19 | 23.6 | NA | 18.2 | 37.8 | 17 | | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 43.4 | 447 | 36.5 | 143 | 112 | 762 | 133 | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 16.1 U | 18.8 U | NA | 16.9 U | 17.2 U | 19.3 U | | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 1.88 U | 2.19 U | NA | 1.97 U | 2.01 U | | | | |

TABLE 3-3
Summary of Soil Analytical Detected Results
Practice Area (WF-3)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-222 | | | SB-223 | | | SB-224 | | | | | SB-225 | | |
|----------------------------|------------------------|------------------|----------|----------|----------|--------|------|----------|-----------------|---------------|---------------|---------------|-----------------|---------------|---------------|---------------|-----------------|---------------|---------------|---------------|---------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 7/9/2008 | 3.5 7/9/2008 | 6 7/9/2008 | 1 7/9/2008 | 4 7/9/2008 | 7.5 7/9/2008 | 1 7/9/2008 | 4 7/9/2008 | 4 7/9/2008 | 7.5 7/9/2008 | 1 7/9/2008 | 4 7/9/2008 | 8 7/9/2008 | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.172 U | 0.234 U | 0.193 U | 0.178 U | 0.954 U | 0.193 U | 0.196 U | 0.175 U | 0.199 U | 0.193 U | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.172 U | 0.234 U | 0.193 U | 0.178 U | 1.06 | 0.193 U | 0.196 U | 0.222 | 0.199 U | 0.193 U | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.172 U | 0.234 U | 0.193 U | 0.178 U | 0.954 U | 0.193 U | 0.196 U | 0.175 U | 0.199 U | 0.193 U | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.172 U | 0.234 U | 0.193 U | 0.178 U | 0.334 | 2.64 | 0.712 | 0.196 U | 0.413 | 0.412 | 0.193 U |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.403 | 0.234 U | 0.193 U | 0.899 | 13.8 | 3.68 | 0.196 U | 1.15 | 1.67 | 0.193 U | |
| | Benz(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.389 | 0.234 U | 0.193 U | 0.738 | 21.1 | 7.33 | 0.196 U | 0.968 | 1.59 | 0.193 U | |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.537 | 0.234 U | 0.193 U | 1.02 | 22.8 | 7.58 | 0.196 U | 1.33 | 1.82 | 0.193 U | |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.257 | 0.234 U | 0.193 U | 0.504 | 22.7 | 7.68 | 0.196 U | 0.630 | 1.08 | 0.193 U | |
| | Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.192 | 0.234 U | 0.193 U | 0.387 | 8.91 | 1.83 | 0.196 U | 0.499 | 0.701 | 0.193 U | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.487 | 0.234 U | 0.193 U | 1.01 | 12.8 | 3.59 | 0.196 U | 1.23 | 1.55 | 0.193 U | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.172 U | 0.234 U | 0.193 U | 0.178 U | 5.57 | 1.51 | 0.196 U | 0.175 U | 0.254 | 0.193 U | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.256 U | 0.222 | 0.195 U | 0.812 | 0.234 U | 0.193 U | 1.85 | 12.1 | 3.48 | 0.196 U | 1.93 | 2.54 | 0.193 U | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.172 U | 0.234 U | 0.193 U | 0.178 U | 0.954 U | 0.193 U | 0.196 U | 0.183 | 0.199 U | 0.193 U | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.281 | 0.234 U | 0.193 U | 0.590 | 22.3 | 9.04 | 0.196 U | 0.744 | 1.29 | 0.193 U | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.256 U | 0.196 U | 0.195 U | 0.172 U | 0.234 U | 0.193 U | 0.178 U | 0.954 U | 0.193 U | 0.196 U | 0.175 U | 0.199 U | 0.193 U | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.256 U | 0.201 | 0.195 U | 0.780 | 0.234 U | 0.193 U | 1.47 | 9.74 | 2.79 | 0.196 U | 1.77 | 1.66 | 0.193 U | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.256 U | 0.283 | 0.195 U | 0.899 | 0.234 U | 0.193 U | 1.48 | 15.2 | 4.30 | 0.196 U | 2.36 | 3.37 | 0.193 U | |
| PCBs | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0500 U | 0.0541 U | 0.0572 U | 0.0522 U | 0.0682 U | 0.0585 U | 0.0517 U | 0.0552 U | 0.0536 U | 0.0580 U | 0.0512 U | 0.0556 U | 0.0577 U | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0500 U | 0.0541 U | 0.0572 U | 0.0522 U | 0.0682 U | 0.0585 U | 0.0517 U | 0.0552 U | 0.0536 U | 0.0580 U | 0.0512 U | 0.0556 U | 0.0577 U | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.0500 U | 0.0541 U | 0.0572 U | 0.0522 U | 0.0682 U | 0.0585 U | 0.0517 U | 0.0552 U | 0.0536 U | 0.0580 U | 0.0512 U | 0.0556 U | 0.0577 U | |
| Pesticides | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | alpha-BHC | NS | NS | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.176 R | 0.258 R | 0.011 U | 0.190 R | 0.196 R | 0.022 U | 0.085 R | 0.321 R | 0.219 R | 0.019 U | 0.168 R | 0.362 R | 0.020 U | |
| | Antimony | 20 | 20 | 30 | 30 | 20 | N/A | 18.0 | 4.03 | 2.93 U | 5.01 | 15.1 | 2.91 U | 2.68 U | 10.0 | 11.5 | 2.95 U | 5.69 | 4.90 | 2.92 U | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 23.8 | 94.3 | 5.85 U | 31.2 | 257 | 6.86 | 18.2 | 38.6 | 64.2 | 9.93 | 45.3 | 67.3 | 10.4 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.55 | 0.30 U | 0.30 U | 0.26 U | 0.80 | 0.30 U | 0.27 U | 0.29 U | 0.30 U | 0.29 U | 0.30 U | 0.27 U | 0.30 U | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.55 | 0.30 U | 0.30 U | 0.31 | 0.79 | 0.30 U | 0.27 U | 0.37 | 0.42 | 0.30 U | 0.37 | 0.30 U | 0.30 U | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.35 | 0.54 | 0.30 U | 0.31 | 0.79 | 0.30 U | 0.27 U | 0.37 | 0.42 | 0.30 U | 0.37 | 0.30 U | 0.30 U | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 6.84 | 8.87 | 2.60 | 8.94 | 10.9 | 3.15 | 5.61 | 12.3 | 13.8 | 5.49 | 8.67 | 9.39 | 5.44 | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 33.3 | 494 | 2.38 | 65.6 | 549 | 3.09 | 29.7 | 107 | 119 | 3.78 | 199 | 218 | 3.00 | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 5.29 | 9.91 | 1.61 | 4.93 | 14.8 | 2.58 | 3.34 | 8.84 | 9.24 | 2.77 | 6.17 | 8.27 | 2.71 | |
| | Selenium | 400 | 400 | 800 | 800 | | | | | | | | | | | | | | | | |

TABLE 3-3
Summary of Soil Analytical Detected Results
Practice Area (WF-3)
Walsh Field
New Bedford, Massachusetts

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation

Values in **Bold** indicate the compound was detected.

Values shown in **Bold** and shaded type exceed one or

RAHs—Polynuclear Aromatic Hydrocarbons

PCBs - Polychlorinated Biphenyls

PCBs - Polychlorinated Biphenyls.
PC - Polychlorinated Compounds.

RC - Reportable Concentration.

TCSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, Wa...

(1) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic

Sampling locations targeted for excavation.

Sample collected from greater than 3 feet below ground surface and not used to develop exposure

TABLE 3-3
Summary of Soil Analytical Detected Results
Practice Area (WF-3)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-233D | | SB-233F | | SB-233G | | SB-233H | | SB-353 | | | | SB-354 | | | | | | | | |
|---------------------------------------|------------------------|------------------|----------|----------|----------|--------|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|--------------------|----------------|------------------|------------------|--------------------|------------------|------------------|-----------|----------------|--------|------|--------------|------------|------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0-1 02/20/09 | 1-3 02/20/09 | 0-1 02/20/09 | 1-3 02/20/09 | 0-1 02/20/09 | 1-3 02/20/09 | 0-1 2/16/2009 | 1-2.5 2/16/2009 | 4 2/16/2009 | 5.5 2/16/2009 | 0-1 2/16/2009 | 1-2.5 2/16/2009 | 3-4 2/16/2009 | 3-4 2/16/2009 | Field Dup | 8 2/16/2009 | | | | | |
| PAHs / Dibenzofuran (mg/kg) | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | 0.231 U | 0.186 U | 0.187 U | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | 0.231 U | 0.186 U | 0.187 U | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | 0.231 U | 0.186 U | 0.187 U | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.231 U | 0.186 U | 0.297 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | 0.430 | 0.186 U | 0.816 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Benz(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | 0.418 | 0.186 U | 0.780 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | 0.613 | 0.186 U | 0.943 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.231 U | 0.186 U | 0.283 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | 0.231 U | 0.186 U | 0.376 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | 0.614 | 0.186 U | 0.916 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | 0.231 U | 0.186 U | 0.187 U | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.815 | 0.211 | 1.56 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.231 U | 0.186 U | 0.187 U | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | 0.236 | 0.186 U | 0.362 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | 0.231 U | 0.186 U | 0.187 U | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | 0.509 | 0.186 U | 1.52 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.805 | 0.259 | 1.50 | 0.627 U | 0.232 U | 0.191 U | 0.227 U | 0.252 U | 0.202 U | | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | 0.0640 U | 0.0568 U | 0.0537 U | 0.246 U | 0.0616 U | 0.0556 U | 0.0705 U | 0.0768 U | 0.0613 U | | | | | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | 0.0640 U | 0.0568 U | 0.0537 U | 0.246 U | 0.0616 U | 0.0556 U | 0.0705 U | 0.0768 U | 0.0613 U | | | | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | 0.0640 U | 0.0568 U | 0.0537 U | 0.246 U | 0.0616 U | 0.0556 U | 0.0705 U | 0.0768 U | 0.0613 U | | | | | | |
| Pesticides (mg/kg) | alpha-BHC | NS | NS | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | 0.165 U | 0.033 U | 0.263 U | 0.100 U | 0.166 U | 0.213 U | 0.326 | 0.421 U | 0.013 U | | | | | | |
| | Antimony | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | 5.54 U | 4.47 U | 15.1 U | 5.57 U | 4.57 U | 42.3 | 6.03 U | 4.83 U | | | | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | NA | NA | NA | NA | NA | NA | 6.29 | 3.55 | 5.74 | 9.40 U | 7.58 | 4.30 | 19.3 | 17.1 | 3.02 U | | | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 43.0 | 48.3 | 69.8 | 18.8 U | 23.6 | 18.8 | 363 | 296 | 9.22 | | | | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | 0.44 | 0.48 | 0.44 | 0.94 U | 0.38 | 0.37 | 0.80 | 0.65 | 0.31 U | | | | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA | NA | 0.30 U | 2.01 | 2.86 | 0.35 U | 0.28 U | 0.94 U | 0.35 U | 0.29 U | 3.25 | 1.43 | 0.31 U | | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | 12.6 | 7.14 | 10.1 | 1.88 U | 10.3 | 7.13 | 66.9 | 23.5 | 4.06 | | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | NA | NA | NA | NA | NA | 18.2 | 22.300 | 28.5 | 47.6 | 51.2 | 832 | 124 | 25.2 | 109 | 2.82 U | 37.5 | 18.9 | 2.070 | 856 | 3.22 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A</td | | | | | | | | | | | | | | | | | | | | | |

TABLE 3-4
Summary of Soil Analytical Detected Results
Junior Varsity Baseball Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFF-8 | | WFG-7 | | WFG7-A | | WFG7-B | | WFG7-C | | WFG7-D | | WFG7-G | | WFG-8 | | WFG-9 | |
|----------------------------|------------------------|---------------------|----------|----------|----------|---------|------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|---------------|--------------|--------------|-----------|
| | | Sample Depth (ft.): | | | 2-2.5 | 1-3 | 0-1 | 1-3 | 0-1 | 1-3 | 0-1 | 1-3 | 0-1 | 1-3 | 0-1 | 1-3 | 0-1 | 1-3 | 1.5-2.5 | 0-0.5 | 0.5-2.5 | | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 2/23/2006 | 2/23/2006 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 02/26/09 | 2/23/2006 | 2/23/2006 |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.049 | NA | NA | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.500 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.340 U | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.700 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.340 U | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 1.50 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.340 U | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 1.10 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.340 U | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 1.10 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.450 | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.570 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.340 U | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.400 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.340 U | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 1.50 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.320 | NA | 0.360 | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.500 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.340 U | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 2.10 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.600 | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.280 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.340 U | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 2.10 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.340 U | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 3.50 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.300 U | NA | 0.560 | |
| PCBs | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.029 U | 0.034 U | NA | NA | NA | NA | 0.030 U | 0.043 | 0.034 U | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.029 U | 0.034 U | NA | NA | NA | NA | 0.030 U | 0.038 | 0.034 U | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.029 U | 0.034 U | NA | NA | NA | NA | 0.030 U | 0.081 | 0.034 U | |
| Pesticides | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.012 | NA | NA | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.0085 | NA | NA | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.0038 | NA | NA | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.004 | NA | NA | |
| Metals, total | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.538 | 6.93 | NA | NA | NA | NA | 0.139 | NA | 1.82 | |
| (mg/kg) | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 16.7 | 83.2 U | 10.8 | 8.47 | 9.61 | 8.92 | 10.7 | 14.0 | 8.72 | 4.81 | NA | NA | NA | 24.1 | NA | 20.9 | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 505 | 333 U | NA | NA | NA | NA | 49 | NA | 774 | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.677 U | 38.4 | 0.34 U | 0.28 U | 0.54 | 0.33 U | 0.34 U | 0.48 | 0.37 | 0.31 | NA | NA | NA | 0.728 U | NA | 1.57 | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 23.3 | 18.6 | NA | NA | NA | 11.9 | NA | 33.1 | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 885 | 1,710 | 90.9 | 140 | 73.2 | 265 | 86.6 | 524 | 94.5 | 146 | 93.1 | 535 | 34.9 | NA | 1,160 | | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 1.90 U | 23.3 U | NA | NA | NA | NA | 2.04 U | NA | 2.26 U | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500</ | | | | | | | | | | | | | | | | | | | |

TABLE 3-4
Summary of Soil Analytical Detected Results
Junior Varsity Baseball Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-234 | | SB-234-B | | SB-234-C | | SB-234-D | | SB-235 | | SB-236 | | SB-237 | | JV-1 | JV-2 | JV-3 |
|--------------------------------------|------------------------|---------------------|----------|----------|----------|--------|------|------------------|----------------|--------------------|--------------------|------------------|----------------|------------------|-----------------|------------------|----------------|------------------|----------------|---------------------|---------------------|---------------------|------|------|
| | | Sample Depth (ft.): | | | | | | 0.5 7/10/2008 | 2 7/10/2008 | 0-0.5 7/31/2008 | 0-0.5 7/31/2008 | 0.5 7/10/2008 | 2 7/10/2008 | 0.5 7/10/2008 | 2 7/10/2008 | 0.5 7/10/2008 | 2 7/10/2008 | 0.5 7/10/2008 | 2 7/10/2008 | 0-0.5 11/17/2008 | 0-0.5 11/17/2008 | 0-0.5 11/17/2008 | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| PAHs / Dibenzofuran (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | 0.174 U | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | 0.174 U | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | 0.448 | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | 0.402 | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | 0.504 | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | 0.282 | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | 0.482 | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.192 U | 0.215 | NA | NA | NA | 0.176 U | 0.170 U | 0.787 | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | 0.317 | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.192 U | 0.294 | NA | NA | NA | 0.176 U | 0.170 U | 1.10 | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | 1.05 | 0.169 U | 0.177 U | 0.172 U | NA | NA | NA | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | NA | NA | NA | NA | NA | NA | NA | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.216 | 0.429 | NA | NA | NA | 0.176 U | 0.170 U | NA | NA | NA | NA | NA | NA | NA | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0570 U | 0.0578 U | NA | NA | NA | 0.0515 U | 0.0500 U | 0.0514 U | 0.0500 U | 0.0522 U | 0.0501 U | NA | NA | NA | | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.108 J | 0.0578 U | NA | NA | NA | 0.0515 U | 0.0500 U | 0.0555 J | 0.0500 U | 0.0522 U | 0.0501 U | NA | NA | NA | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.108 J | 0.0578 U | NA | NA | NA | 0.0515 U | 0.0500 U | 0.0555 J | 0.0500 U | 0.0522 U | 0.0501 U | NA | NA | NA | | | |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.199 | 0.065 | NA | NA | NA | 0.166 | 0.032 | 0.189 | 0.027 | 0.217 | 0.019 | NA | NA | NA | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 42.1 | 11.9 | 3.88 | 9.32 | NA | 7.07 | 3.08 | 7.24 | 2.54 U | 2.75 | 2.93 | 6.02 | 8.30 | 6.26 | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 32.5 | 221 | NA | NA | NA | 26.7 | 16.0 | 31.8 | 14.2 | 50.0 | 19.2 | NA | NA | NA | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.29 U | 0.70 | NA | NA | NA | 0.27 U | 0.32 | 0.26 U | 0.35 | 0.27 U | 0.42 | NA | NA | NA | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.82 | 0.31 U | NA | NA | NA | 0.34 | 0.26 U | 0.38 | 0.26 U | 0.56 | 0.26 U | NA | NA | NA | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 19.9 | 9.69 | NA | NA | NA | 13.9 | 5.71 | 22.5 | 6.13 | 27.6 | 7.88 | NA | NA | NA | | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 56.9 | 152 | NA | NA | NA | 47.5 | 6.65 | 44.6 | 3.92 | 269 | 3.74 | NA | NA | NA | | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 8.10 | 12.4 | NA | NA | NA | 5.89 | 3.43 | 6.73 | 4.36 | 6.03 | 4.33 | NA | NA | NA | | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 3.16 | 1.15 | NA | NA | NA | 2.48 | 0.69 | 2.82 | 0.71 | 4.68 | 0.87 | NA | NA | NA | | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 25.3 | 22.4 | NA | NA | NA | 20.3 | 8.82 | 20.7 | 8.12 | 11.4 | 11.2 | NA | NA | NA | | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | 33.7 | 63.0 | NA | NA | NA | 34.6 | 14.7 | 31.7 | 18.4 | 118 | 16.1 | NA | NA | NA | | | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000</ | | | | | | | | | | | | | | | | | | | | | |

TABLE 3-4
Summary of Soil Analytical Detected Results
Junior Varsity Baseball Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.): Sample Date: | | | | | | JV-4 | JV-7 | JV-8 | JV-11 | JV-13 | POST-6 | POST-7 | POST-8 | POST-9 | POST-09A | | POST-09B | | |
|--------------------------------------|------------------------|---|----------|----------|----------|--------|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|-----------------|-------------------|-----------------|-----------------|-------------|
| | | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0.5-0.67 | 0.5-0.67 | 0.5-0.67 | 0.5-0.67 | 0.5-0.67 | 0.5-0.67 | 0.5-0.67 | 0.5-0.67 | 0.5-1 03/03/09 | 1-3 03/03/09 | 0.5-1 03/03/09 | 1-3 03/03/09 | 1-3 03/03/09 | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 11/17/2008 | 11/17/2008 | 11/17/2008 | 11/17/2008 | 11/19/2008 | 11/20/2008 | 11/20/2008 | 11/20/2008 | Field Dup | | | | | |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | |
| Metals, total | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 9.06 | 11.6 | 4.52 | 7.02 | 25.0 | 56.8 | 63.6 | 8.72 | 104 | 3.91 | 16.8 | 38.0 | 6.80 | 22.1 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | 0.28 U | 0.58 | 0.29 U | 0.29 U | NA | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | 9.16 | 231 | 3.88 | 84.7 | NA | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ⁽¹⁾ | NA | NA | NA | NA | NA | |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold** and shaded type exceed one or more of the listed Method 1/TCLP standards as applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TCLP - Toxicity Characteristic Leaching Procedure.

TABLE 3-4
Summary of Soil Analytical Detected Results
Junior Varsity Baseball Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.): Sample Date: | | | | | | POST-09C | | POST-09D | | POST-10 | | POST-10A | | | POST-10B | | | POST-10C | | |
|-------------------------------------|------------------------|---|-----------------|-----------------|-----------------|------------------------|--------------------|-----------------|------------------------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|-------------------|-----------------|--|
| | | 0.5-1 03/03/09 | 1-3 03/03/09 | 0-1 03/03/09 | 1-3 03/03/09 | 0.5-0.67 11/20/2008 | 0.5-1 03/03/09 | 1-3 03/03/09 | 1-3 03/03/09 Field Dup | 0.5-1 03/03/09 | 1-3 03/03/09 | |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Aceanaphthalene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Pesticides | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Metals, total | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 66.8 | 40.0 | 27.1 | 6.01 | 238 | 110 | 12.1 | 8.78 | 147 | 48.6 | 173 | 10.7 | 95.1 | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.29 | U | 1.22 | 0.31 | U | 0.29 | U | 0.28 | U | NA | 0.28 | U | 0.29 | U | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 18.5 | 750 | 30.9 | 21.6 | NA | NA | 29.6 | NA | NA | 53.6 | NA | 121 | NA | 78.5 | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Total Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, TCLP | | | | | | | | | | | | | | | | | | | | | | |
| (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ⁽¹⁾ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Flashpoint | | | | | | | | | | | | | | | | | | | | | | |
| (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold** and shaded type exceed one or more of the listed Method 1/TCLP standards as applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs

TABLE 3-4
Summary of Soil Analytical Detected Results
Junior Varsity Baseball Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | POST-10E 0-1 03/03/09 | POST-10F 0.5-1 03/03/09 | POST-10G 0.5-1 03/03/09 | POST-10H 0-1 03/03/09 | POST-10I 0-1 03/25/09 | POST-10J 0.83-1 03/25/09 | POST-10K 0.83-1 03/25/09 | POST-10L | | POST-10N 0.83-1 03/03/09 | POST-10O 0.83-1 03/03/09 | JV-A 0-1 04/16/09 | JV-B 0.83-1 04/15/09 | JV-C 0.83-1 04/15/09 | |
|---|------------------------|---------------------|--------------|----------|----------|----------|--------------------|-----------------------------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|--------------------------------|--------------------------------|-----------------|-----------------|--------------------------------|--------------------------------|-------------------------|----------------------------|----------------------------|-----------------|
| | | Sample Depth (ft.): | Sample Date: | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0-1 03/25/09 | 0-1 03/25/09 | 0-1 03/25/09 | 0-1 03/25/09 | 0-1 03/25/09 | 0-1 03/25/09 | 0-1 03/25/09 | Field Dup | 0-1 03/25/09 | 0-1 03/25/09 | 0-1 03/25/09 | 0-1 03/25/09 | 0-1 03/25/09 |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PAHs / Dibenzofuran (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 124 | 86.4 | 71.2 | 24.7 | 15.7 | 164 | 170 | 7.16 | 8.98 | 215 | 214 | 5.71 | 10.9 | 141 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | 0.31 U | NA | NA | 0.30 U | NA | 2.09 | 2.06 | NA | NA | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | 33.3 | NA | NA | NA | 24.7 | NA | 26.2 | 23.2 | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ⁽¹⁾ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold** and shaded type exceed one or more of the listed Method 1/TCLP standards as applicable.

VOCs - Volatile Organic Compounds

TABLE 3-4
Summary of Soil Analytical Detected Results
Junior Varsity Baseball Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | JV-D | JV-E | JV-F | JV-G | JV-H | JV-I | | JV-J | JV-JJ | JV-JJA | | JV-JJB | JV-JJC |
|---|------------------------|---------------------|----------|----------|--------------|--------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | Sample Depth (ft.): | | | Sample Date: | | | 0.83-1 04/15/09 | 0.83-1 04/15/09 | 0.83-1 04/15/09 | 0.83-1 04/15/09 | 0.83-1 04/15/09 | 0-1 04/16/09 | 0-1 04/16/09 | 0-1 04/16/09 | 1.5-3 08/18/09 | 1.5-3 09/18/09 | 1.5-3 09/18/09 | 1.5-3 09/18/09 | 1.5-3 09/18/09 |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| PAHs / Dibenzofuran (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 40.6 | 22.0 | 15.7 | 192 | 48.5 | 137 | 15.0 | 17.8 | 6.62 | 13 | NA | NA | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | 45 | 0.85 | 1.1 | 2.40 | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.93 | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | 1,000 | 70 | 210 | 250 | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ⁽¹⁾ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold** and shaded type exceed one or more of the listed Method 1/TCLP standards as applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TCLP - Toxicity Characteristic Leaching Procedure.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(1) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

* - TRC developed Method 1 standards.

Sampling locations targeted for excavation.

TABLE 3-4
Summary of Soil Analytical Detected Results
Junior Varsity Baseball Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | JV-JJD | JV-JJE | JV-JJF | JV-JJG | JV-JJH | JV-K | JV-KK | JV-L | JV-LL | JV-M | JV-MM | JV-N | | | |
|--------------------------------------|------------------------|---------------------|----------|----------|----------|----------|--------------------|--------|--------|--------|--------|--------|------|-------|------|-------|------|-------|------|----|----|------|
| | | Sample Depth (ft.): | | 1.5-3 | 1.5-3 | 1.5-3 | 1.5-3 | | | | | | | | | | | | | | | |
| | | Sample Date: | | 09/18/09 | 09/18/09 | 09/18/09 | 09/18/09 | | | | | | | | | | | | | | | |
| S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, total | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 1.5 | 0.49 | 0.27 | U | 0.89 | 0.32 | U | NA | 0.27 | U | NA | 0.30 | U | NA | 0.35 |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 2,600 | 2,900 | 5.2 | 240 | 270 | NA | 16 | NA | 20 | NA | 64 | NA | NA | NA | NA |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ⁽¹⁾ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold** and shaded type exceed one or more of the listed Method 1/TCLP standards as applicable.

VOCs - Volatile Organic Comp

TABLE 3-4
Summary of Soil Analytical Detected Results
Junior Varsity Baseball Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.): Sample Date: | | | | | | JV-NN | JV-O | JV-OO | JV-P | JV-PP | JV-Q | JV-QQ | JV-R | JV-S | JV-T | JV-U | JV-V |
|---|------------------------|---|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|
| | | 1.5-3 08/18/09 | 0.25-1 04/15/09 | 1.5-3 08/18/09 | 0.83-1 04/15/09 | 1.5-3 08/18/09 | 0.83-1 04/15/09 | 1.5-3 08/18/09 | 0.83-1 04/15/09 | 0-1 04/16/09 | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| PAHs / Dibenzofuran (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 12 | 70.8 | 6.8 | 37.5 | 13 | 16.3 | 5.3 | 30.9 | 36.1 | 10.5 | 6.68 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.37 | NA | 0.28 | U | NA | 0.29 | U | NA | 0.28 | U | NA | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 38 | NA | 25 | NA | 9.6 | NA | 63 | NA | NA | NA | NA | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ⁽¹⁾ | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold** and shaded type exceed one or more of the listed Method 1/TCLP standards as applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TCLP - Toxicity Characteristic Leaching Procedure.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(1) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic .

* - TRC developed Method 1 standards.

Sampling locations targeted for excavation.

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFC2-L 0.1 03/30/09 | WFC2-M 0.1 03/30/09 | WFC2-N 0.67-1 03/30/09 | WFC2-O 0.1 04/24/09 | WFC2-P 0.07-1 04/24/09 | WFC2-Q 0.1 04/24/09 | WFC2-R 0.67-1 04/24/09 | WFD-1 1.25-2.5 2/23/2006 | WFD-2 | | WFD-3 0-0.5 2/23/2006 | WFD-4 | | SB-252 2 7/15/2008 | SB-252-B 0-0.5 7/15/2008 | SB-252-C 0-0.5 7/15/2008 | SB-252CA 0-1 04/08/09 | | | | | | | |
|---------------------------------|------------------------|--------------------|----------|--------------|----------|--------|------|---------------------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|------------------------------|--------------------------------|---------|---------|-----------------------------|---------|----------|--------------------------|--------------------------------|--------------------------------|-----------------------------|--|--|--|--|--|--|--|
| | | Sample Depth (ft.) | | Sample Date: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | 0.170 U | NA | NA | NA | NA | | | | | | | | | | | |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | 0.65 U | NA | NA | NA | NA | | | | | | | | | | | |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | 0.61 U | NA | NA | NA | NA | | | | | | | | | | | |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | 0.084 | NA | 0.059 | 0.850 U | NA | 0.550 U | NA | NA | | | | | | | | | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | 0.058 | U | 0.057 U | 0.850 U | NA | 0.550 U | 0.191 U | NA | | | | | | | | | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | 0.140 | NA | 0.078 | 0.850 U | NA | 0.550 U | 0.191 U | NA | | | | | | | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | 0.230 | NA | 0.460 | 0.850 U | NA | 3.20 | 0.191 U | NA | | | | | | | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.410 | NA | 0.680 | 0.850 U | NA | 5.20 | 0.191 U | NA | | | | | | | | | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | 0.940 | NA | 1.80 | 0.850 U | NA | 7.20 | 0.191 U | NA | | | | | | | | | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | 0.970 | NA | 1.50 | 0.850 U | NA | 3.90 | 0.191 U | NA | | | | | | | | | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | 0.820 | NA | 1.20 | 0.850 U | NA | 2.40 | 0.191 U | NA | | | | | | | | | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.490 | NA | 0.600 | 0.850 U | NA | 0.910 | 0.191 U | NA | | | | | | | | | | |
| | Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | 0.830 | NA | 1.70 | 0.850 U | NA | 3.70 | 0.191 U | NA | | | | | | | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | 0.920 | NA | 1.10 | 0.850 U | NA | 5.50 | 0.191 U | NA | | | | | | | | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | 0.230 | NA | 0.290 | 0.850 U | NA | 0.830 | 0.191 U | NA | | | | | | | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 1.90 | NA | 2.70 | 1.50 | NA | 7.90 | 0.191 U | NA | | | | | | | | | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.150 | NA | 0.120 | 0.850 U | NA | 0.550 U | 0.191 U | NA | | | | | | | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | 0.440 | NA | 0.540 | 0.850 U | NA | 0.920 | 0.191 U | NA | | | | | | | | | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | 0.067 | NA | 0.071 | 0.850 U | NA | 0.550 U | 0.191 U | NA | | | | | | | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | 1.60 | NA | 1.80 | 1.10 | NA | 6.20 | 0.191 U | NA | | | | | | | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 2.0 | NA | 3.20 | 1.0 | NA | 16.0 | 0.191 U | NA | | | | | | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | 0.1 U | 0.11 U | 0.11 U | 0.17 U | 0.12 U | 0.11 U | 0.0556 U | NA | | | | | | | | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | 0.2 U | 0.22 U | 0.22 U | 0.34 U | 0.23 U | 0.21 U | 0.0556 U | NA | | | | | | | | | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | 0.231 | NA | 0.187 | 0.737 | NA | 0.077 | 0.117 | NA | | | | | | | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 129 | 34.6 | 222 | 94.5 | 72.5 | 57.5 | 49.8 | 5.11 | NA | 2.66 | 5.95 | NA | 1.65 | 7.82 | 69.9 | | | | | | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 91 | NA | 182 | 237 | NA | 21 | 24.3 | NA | | | | | | | | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.47 | NA | NA | | | | | | | | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA | NA | 0.47 | NA | 0.40 | 1.27 | NA | 0.41 | 0.29 U | NA | | | | | | | | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | 8.60 | NA | 8.52 | 56 | NA | 4.81 | 8.18 | NA | | | | | | | | | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | NA | NA | NA | NA | NA | 184 | NA | 294 | 882 | NA | 24 | 23.5 | NA | | | | | | | | | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.76 | NA | NA | | | | | | | | | | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | NA | NA | NA | 0.77 U | NA | 0.67 U | 1.06 U | NA | 0.69 U | 5.71 U | NA | | | | | | | | | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | 0.39 U | NA | 0.33 U | 0.53 U | NA | 0.34 U | 1.15 | NA | | | | | | | | | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 14.6 | NA | NA | | | | | | | | | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | | | | | | | | | | | | | | | | | | | |

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft): Sample Date: | | | | | | SB-269 | | | SB-357 | | | WF-1 | WF-2 | WF-3 | WF-4 | | WF-5 | WF-6 | WF-7 | WF-8 | WF-9 | WF-10 | WF-11 | WF-12 | |
|-----------------------|------------------------|--|----------------|------------------|------------------|------------------|----------------|----------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|------|------|------|-------|-------|-------|------|
| | | 1 7/15/2008 | 4 7/15/2008 | 9.5 7/15/2008 | 0-1 2/16/2009 | 1-2 2/16/2009 | 4 2/16/2009 | 7 2/16/2009 | 0-0.5 9/30/2008 | 0-0.5 9/30/2008 | 0-0.5 9/30/2008 | WF-4 Field cap | WF-5 9/30/2008 | WF-6 9/30/2008 | WF-7 9/30/2008 | WF-8 9/30/2008 | WF-9 9/30/2008 | WF-10 9/30/2008 | WF-11 9/30/2008 | WF-12 9/30/2008 | | | | | | | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.171 U | 0.200 U | 0.194 U | 0.201 U | 0.195 U | 5.54 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.171 U | 0.200 U | 0.194 U | 0.201 U | 0.195 U | 4.82 U | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.171 U | 0.200 U | 0.194 U | 0.201 U | 0.195 U | 8.00 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.171 U | 0.200 U | 0.194 U | 0.201 U | 0.195 U | 20.6 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.171 U | 0.231 | 0.194 U | 0.233 | 0.779 | 29.2 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.171 U | 0.231 | 0.194 U | 0.233 | 0.779 | 23.8 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.171 U | 0.259 | 0.194 U | 0.223 | 0.923 | 23.5 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.342 U | 0.400 U | 0.388 U | 0.201 U | 0.344 | 15.4 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.171 U | 0.200 U | 0.194 U | 0.201 U | 0.383 | 9.60 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.171 U | 0.251 | 0.194 U | 0.267 | 0.863 | 28.0 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.342 U | 0.400 U | 0.388 U | 0.201 U | 0.195 U | 4.82 U | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.171 U | 0.463 | 0.194 U | 0.348 | 1.40 | 58.0 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.171 U | 0.200 U | 0.194 U | 0.201 U | 0.195 U | 13.4 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.342 U | 0.400 U | 0.388 U | 0.201 U | 0.489 | 19.2 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.171 U | 0.200 U | 0.194 U | 0.201 U | 0.195 U | 10.3 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.171 U | 0.507 | 0.194 U | 0.286 | 0.780 | 95.3 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.192 | 0.565 | 0.194 U | 0.659 | 1.30 | 76.1 | 0.198 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0507 U | 0.0612 U | 0.0538 U | 0.0596 U | 0.0558 U | 0.0640 U | 0.0617 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.0507 U | 0.0612 U | 0.0538 U | 0.0596 U | 0.0558 U | 0.0640 U | 0.0617 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.222 | 0.122 | 0.014 U | 0.282 | 0.340 | 0.517 | 0.013 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 6.51 | 11.7 | 3.48 | 8.75 | 6.20 | 9.91 | 2.97 U | 7.84 | 14.4 | 12.0 | 24.2 | 25.8 | 9.89 | 5.82 | 7.86 | 6.50 | 10.7 | 6.96 | 7.86 | 6.53 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 25.0 | 185 | 12.5 | 54.2 | 66.5 | 251 | 6.86 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.26 U | 0.30 U | 0.30 U | 0.37 U | 0.42 | 0.37 U | 0.30 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.29 | 0.50 | 0.30 U | 0.31 U | 0.39 | 4.27 | 0.30 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 8.12 | 12.3 | 5.13 | 11.3 | 9.53 | 19.4 | 2.80 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 43.8 | 1,790 | 4.51 | 125 | 233 | 903 | 2.07 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 5.14 | 7.56 | 4.81 | | | | | | | | | | | | | | | | | |

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.); Sample Date: | | | | | | WF-13 | WF-14 | WF-15 | WF-16 | WF-17 | WF-18 | POST-1 | POST-1A | POST-1B | POST-1C | POST-1D |
|---|-------------------------|---|----------|----------|----------|--------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0-0.5 9/30/2008 | 0-0.5 9/30/2008 | 0-0.5 9/30/2008 | 0-0.5 9/30/2008 | 0-0.5 9/30/2008 | 0-0.5 11/18/2008 | 0-1 02/17/09 | 1-3 02/17/09 | 0-1 02/17/09 | 1-3 02/17/09 | 1-3 02/17/09 |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 7.25 | 9.51 | 6.27 | 5.46 | 5.75 | 6.05 | 220 | 126 | 4.56 | 13.3 | 3.80 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | 12.3 | 4.38 |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | NA | NA | NA | NA | NA | 17.5 | 48.6 | 47.0 | 26.7 | 29.2 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, TCLP (mg/l.) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Reactivity (mg/kg) | Reactive Cyanide | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/l. - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as ap

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BEATA Group, Inc.

(1) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

* - TRC developed Method 1 standards.

Sampling locations targeted for excavation.

Sample collected from greater than 3 feet below ground surface and not used to develop exposure point concentrations.

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.) Sample Date: | | | | | | POST-2E | | POST-2H | | POST-3 | | POST-3A | | | | | | | | | | POST-3AA | |
|---|-------------------------|--|----------|----------|----------|-------|-------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------|------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RCS-1 | TSCA | 0.1 02/24/09 | 1-3 02/24/09 | 0.1 02/24/09 | 1-3 01/18/2008 | 0.5-1 02/16/09 | 1-1.5 02/16/09 | 1.5-2 02/16/09 | 2-2.5 02/16/09 | 2.5-3 02/16/09 | 3-3.5 02/16/09 | 3.5-4 02/16/09 | 3.5-4 02/16/09 | 4-4.5 02/16/09 | 4.5-5 02/16/09 | 0.5-1 02/16/09 | 0.5-1 02/16/09 | | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 2.94 | U | 29.2 | 20.1 | 2.93 | U | 1,040 | 67.3 | 5.96 | 6.59 | 5.36 | 4.82 | 5.71 | 5.13 | 5.74 | 5.16 | 5.48 | 61.2 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 12.4 | 27.6 | 28.5 | 71.3 | NA | 33.2 | 21.8 | 340 | 74.7 | 32.1 | 17.6 | 19.4 | 16.8 | 48.1 | 51.3 | NA | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0** | NA | NA | NA | NA | NA | | | | | | | | | | | | | |

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.); Sample Date: | | | | | | POST-3B | | | | | | | | | | | | POST-3BB | |
|--|-------------------------|---|----------|----------|----------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RCS-1 | TSCA | 1.5-1 02/16/09 | 1.5-2 02/16/09 | 2-2.5 02/16/09 | 2.5-3 02/16/09 | 3-3.5 02/16/09 | 3.5-4 02/16/09 | 4-4.5 02/16/09 | 4.5-5 02/16/09 | 5-5.5 02/16/09 | 5.5-6 02/16/09 | 6-6.5 02/16/09 | 6.5-7 02/16/09 | 0.5-1 02/16/09 | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | |
| | Benz(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | |
| | Dibenzo(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 286 | 6.33 | 3.19 | 5.29 | 6.43 | 5.40 | 5.35 | 5.99 | 6.36 | 5.16 | 5.99 | 12.2 | 24.4 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 200 | N/A | NA | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 37.5 | 34.3 | 150 | 113 | 30.8 | 16.8 | 18.7 | 26.3 | 23.6 | 18.4 | 773 | 2,870 | 4,720 | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ^{**} | NA | |
| Reactivity (mg/kg) | Reactive Cyanide | NS | NS | NS | NS | NS | N/A | NA | |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method I standards or TCLP standard, as appropriate.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.) Sample Date: | | | | | | POST-3D | | | | | | | | | | POST-3DD |
|--|-------------------------|--|----------|----------|----------|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0.5-1 02/16/09 | 1.5-2 02/16/09 | 2-2.5 02/16/09 | 2.5-3 02/16/09 | 3-3.5 02/16/09 | 3.5-4 02/16/09 | 4-4.5 02/16/09 | 4.5-5 02/16/09 | 5-5.5 02/16/09 | 5.5-6 02/16/09 | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA |
| | Dibenzo(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 186 | 9.63 | 5.26 | 6.45 | 6.88 | 5.07 | 4.56 | 6.04 | 5.81 | 5.40 | 266 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 39.9 | 39.0 | 156 | 105 | 20.7 | 25.9 | 29.3 | 22.7 | 28.5 | 1,060 | NA |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ^{**} | NA | NA |
| Reactivity (mg/kg) | Reactive Cyanide | NS | NS | NS | NS | NS | N/A | NA | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as ap

PATH - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(1) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic -

* - TRC developed Method 1 standards.

Sampling locations targeted for excavation.

Sample collected from greater than 3 feet below ground surface and not used to develop exposure point concentrations.

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.) Sample Date: | | | | | | POST-3E | | | | | | | | | | POST-3EE | |
|--|-------------------------|--|----------|----------|----------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------|----|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RCS-1 | TSCA | 0.5-1 02/16/09 | 1-1.5 02/16/09 | 1.5-2 02/16/09 | 2-2.5 02/16/09 | 2.5-3 02/16/09 | 3-3.5 02/16/09 | 3.5-4 02/16/09 | 4-4.5 02/16/09 | 4.5-5 02/16/09 | 5-5.5 02/16/09 | 0-1 02/16/09 | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA | NA |
| | Bromoform | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA |
| PCBs (ng/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 119 | 8.77 | 2.71 U | 8.30 | 5.78 | 5.55 | 4.59 | 5.32 | 8.94 | 13.8 | 26.5 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 31.0 | 73.2 | 31.3 | 163 | 13.8 | 24.1 | 26.9 | 29.2 | 18.9 | 4.150 | NA | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA |
| Metals, TCLP (mg/l.) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ¹¹ | NA | NA | NA |
| Reactivity (mg/kg) | Reactive Cyanide | NS | NS | NS | NS | NS | N/A | NA | NA | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/l - milligrams per liter

NA - Sample not analyzed for the listed analyte

N/A - Not applicable

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method I standards or TCLP standard, as ap

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(1) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic

* - TRC developed Method I standards.

 Sampling locations targeted for excavation.

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.) Sample Date: | | | | | | POST-3F | | | | | | | | | | | | POST-3FF 02/17/09 |
|---|-------------------------|--|----------|----------|----------|--------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----------------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0.5-1 02/17/09 | 1-1.5 02/17/09 | 1.5-2 02/17/09 | 2-2.5 02/17/09 | 2.5-3 02/17/09 | 3-3.5 02/17/09 | 3.5-4 02/17/09 | 4-4.5 02/17/09 | 4.5-5 02/17/09 | 5-5.5 02/17/09 | 5.5-6 02/17/09 | 5.5-6 02/17/09 | Field Dup |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA |
| | Benz(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 221 | 7.70 | 4.49 | 3.02 | 4.46 | 4.53 | 3.68 | 5.73 | 4.61 | 4.30 | 3.95 | 3.69 | 35.7 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 37.8 | 33.8 | 18.2 | 207 | 11.0 | 27.1 | 27.1 | 31.3 | 29.0 | 35.2 | 319 | 79.0 | NA |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ⁽¹⁾ | NA |
| Reactivity (mg/kg) | Reactive Cyanide | NS | NS | NS | NS | NS | N/A | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as appropriate.

PAFs - Polynuclear Aromatic Hydrocarbons.

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.): Sample Date: | | | | | | POST-3H | | | | | | | POST-3HH | | |
|--|-------------------------|---|----------|----------|----------|--------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0.5-1 02/17/09 | 1-1.5 02/17/09 | 1.5-2 02/17/09 | 2-2.5 02/17/09 | 2.5-3 02/17/09 | 3-3.5 02/17/09 | 3.5-4 02/17/09 | 4-4.5 02/17/09 | 4.5-5 02/17/09 | 0.5-1 03/3/09 |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 404 | 3.55 | 5.05 | 3.71 | 22.4 | 4.90 | 5.36 | 11.8 | 4.93 | 337 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 36.2 | 27.4 | 127 | 30.5 | 272 | 57.8 | 77.8 | 92.8 | 33.0 | NA |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ⁽¹⁾ | NA | NA |
| Reactivity (mg/kg) | Reactive Cyanide | NS | NS | NS | NS | NS | N/A | NA | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.
 mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as appropriate.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(1) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

* - TRC developed Method 1 standards.

Sampling locations targeted for excavation.

Sample collected from greater than 3 feet below ground surface and not used to develop exposure point concentrations.

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft): Sample Date: | | | | | | POST-3PP | | | | | | POST-3Q | | | | | | POST-3QQ | |
|---|-------------------------|--|----------|----------|----------|--------|-------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----|----|----------|--|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0.83-1 02/27/09 | 0.9-1 02/20/09 | 1-1.5 02/20/09 | 1.5-2 02/20/09 | 2-2.5 02/20/09 | 2.5-3 02/20/09 | 3-3.5 02/20/09 | 3.5-4 02/20/09 | 4-4.5 02/20/09 | 4.5-5 02/27/09 | | | | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 420 | 174 | 6.08 | 4.26 | 6.09 | 4.27 | 4.10 | 4.58 | 9.26 | 320 | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | 40.1 | 36.1 | 4.01 | 152 | 16.4 | 32.0 | 34.7 | 514 | | NA | | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0** | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Reactivity (mg/kg) | Reactive Cyanide | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method I standards or TCLP standard, as appropriate.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(1) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

* - TRC developed Method I standards.

Sampling locations targeted for excavation.

Sample collected from greater than 3 feet below ground surface and not used to develop exposure point concentrations.

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.) Sample Date: | | | | | | POST-3R | | | | | | | | | | POST-3RR | | | | | | | | | | POST-3S | | | | | | | | | |
|--------------------------|------------------------|--|-------|----------|-------|----------|-----|----------|------|--------|------|------|------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----|--|--|--|--|--|
| | | S-1/GW-2 | | S-1/GW-3 | | S-2/GW-2 | | S-2/GW-3 | | RC S-1 | | TSCA | | 1.5-1 02/20/09 | 1.1.5 02/20/09 | 1.5-2 02/20/09 | 2-2.5 02/20/09 | 2.5-3 02/20/09 | 3-3.5 02/20/09 | 3.5-4 02/20/09 | 4-4.5 02/20/09 | 4-4.5 02/20/09 Field Dup | 1.5-1 02/20/09 | 1.1.5 02/20/09 | 1.5-2 02/20/09 | 2-2.5 02/20/09 | 2.5-3 02/20/09 | 3-3.5 02/20/09 | 3.5-4 02/20/09 | 4-4.5 02/20/09 | 4.5-5 02/20/09 | | | | | | |
| | | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 50.2 | 54.2 | 4.62 | 2.86 | U | 6.07 | 5.98 | 3.16 | 6.92 | 6.36 | 9.64 | 31.3 | 4.97 | 4.69 | 4.05 | 9.22 | 3.20 | 3.49 | 3.10 | 4.21 | | | | | | | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | POST-3U | | | | | | | | | | | | POST-3V | | | | | | | | | | | | POST-3W | | | | | | | | | | | |
|-----------------------|------------------------|--------------------|----------|----------|--------------|--------|------|--------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|-------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|----|----|---------|----|--|--|--|--|--|--|--|--|--|--|
| | | Sample Depth (ft.) | | | Sample Date: | | | 0.03-1 02/27/09 | 0.5-1 02/23/09 | 1-1S 02/23/09 | 1.5-2 02/23/09 | 2-2.5 02/23/09 | 2.5-3 02/23/09 | 3-3.5 02/23/09 | 3.5-4 02/23/09 | 3.5-4 02/23/09 | 4-4.5 02/23/09 | 4.5-5 02/23/09 | 5-5.5 02/23/09 | 0.03-1 02/27/09 | 0.03-1 02/23/09 | 0.5-1 02/23/09 | 1-1S 02/23/09 | 1.5-2 02/23/09 | 2-2.5 02/23/09 | 2.5-3 02/23/09 | 3-3.5 02/23/09 | 3.5-4 02/23/09 | 4-4.5 02/23/09 | | | | | | | | | | | | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 331 | 129 | 26.5 | 2.68 | U | 3.80 | 3.19 | 4.93 | 4.17 | 9.11 | 6.27 | 33.1 | 27 | 30.1 | 100 | 9.58 | 2.72 | U | 2.71 | | | | | | | | | | | | | | | | | |

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-S)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFV-06 | WFV-07 | WFV-08 | WFV-09 | WFV-10 | WFV-11 | WFV-12 | WFV-13 | WFV-14 | WFV-15 | WFV-17 | WFV-18 | WFV-20 | WFV-21 | WFV-23 | WFV-24 | WFV-27 | WFV-30 | WFV-33 | WFV-34 | WFV-36 | | |
|---------------------------------|------------------------|--------------------|----------|----------|----------|--------|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|--|
| | | Sample Depth (ft.) | | | | | | 0-1 05/26/09 | 0-1 05/27/09 | 0-1 05/27/09 | 0-1 05/27/09 | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | | |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | | |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | | |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | | |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 34.6 | 8.67 | 59.9 | 24.5 | 36.5 | 123 | 33.2 | 15.1 | 7.54 | 6.58 | 6.55 | 6.62 | 6.63 | 7.53 | 5.13 | 8.24 | 5.71 | 20.3 | 24.0 | 87.2 | 100 | 29.7 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | | | | | | | | | | | | | | | | | | | | |

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFV-39 | WFV-42 | WFV-45 | WFV-48 | WFV-50 | WFV-52 | | WFV-54 | WFV-56 | WFV-58 | WFV-60 | WFV-62 | WFV-64 | WFV-66 | WFV-67 | WFV-68 | WFV-69 | WFV-70 | WFV-71 | WFV-72 | WFV-73 | WFV-74 | WFV-75 | |
|-----------------------|------------------------|--------------------|-------|-------|-------|-------|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | Sample Depth (ft.) | | | | | | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | 0-1 | | |
| | | Sample Date: | | | | | | 05/27/09 | 05/27/09 | 05/27/09 | 05/27/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 06/11/09 | 07/01/09 | 08/18/09 | 08/18/09 |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | |
| | Methylene chloride | 20 | 200 | 20 | 900 | 0.1 | N/A | NA | |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | NA | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | 9.57 | 17.3 | 8.11 | 3.74 | 13 | 17 | 20 | 17 | 28 | 26 | 17 | 22 | 72 | 10 | 9.2 | 130 | 110 | 58 | 6.1 | 89 | 39 | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | | | | | | | | | | | | | | | | | | | |

TABLE 3-5
Summary of Soil Analytical Detected Results
Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WTR-SS-13 0-0.5 3/19/2009 | WTR-SS-14 0-0.5 3/19/2009 | WTR-SS-15 0-0.5 3/19/2009 | WTR-SS-16 0-0.5 3/19/2009 | NAP-SS-01 0-0.5 3/19/2009 | NAP-SS-02 0-0.5 3/19/2009 | NAP-SS-03 0-0.5 3/19/2009 | NAP-SS-04 0-0.5 3/19/2009 | | | | | | | | | |
|--|---|--------------------|-----------------|-----------------|-----------------|-------------------|-------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------|--|--|--|--|--|--|--|--|
| | | Sample Depth (ft.) | | Sample Date: | | | | | | | | | | | | | | | | | | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Chloromethane Bromomethane Methylene chloride | NS 0.5 20 | NS 30 200 | NS 0.5 20 | NS 30 900 | 100 0.5 0.1 | N/A N/A N/A | NA NA NA | NA NA NA | NA NA NA | 0.013 U 0.013 U 0.026 U | 0.012 U 0.012 U 0.024 U | 0.014 U 0.014 U 0.027 U | 0.012 U 0.012 U 0.024 U | 0.012 U 0.012 U 0.024 U | | | | | | | | | |
| EPH (mg/kg) | C11-C22 Aromatics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | | | | | | | | |
| | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | 0.41 U | 0.40 U | 0.40 U | 0.41 U | 0.203 U | | | | | | | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.200 U | 0.203 U | | | | | | | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.178 U | 0.279 | 0.195 U | 0.177 U | 0.205 U | 0.445 | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Benz(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.178 U | 0.296 | 0.195 U | 0.177 U | 0.205 U | 0.356 | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.178 U | 0.336 | 0.195 U | 0.177 U | 0.205 U | 0.400 | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.178 U | 0.191 | 0.195 U | 0.177 U | 0.205 U | 0.239 | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.178 U | 0.310 | 0.195 U | 0.177 U | 0.205 U | 0.460 | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Dibenzo(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.178 U | 0.421 | 0.195 U | 0.177 U | 0.205 U | 0.755 | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.292 | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.178 U | 0.235 | 0.195 U | 0.177 U | 0.205 U | 0.292 | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.178 U | 0.308 | 0.195 U | 0.177 U | 0.205 U | 1.02 | 0.200 U | 0.203 U | 0.203 U | | | | | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.178 U | 0.612 | 0.195 U | 0.209 | 0.41 U | 0.40 U | 0.40 U | 0.41 U | 0.41 U | | | | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | 0.123 U | 0.119 U | 0.120 U | 0.122 U | 0.122 U | | | | | | | | |
| Metals, total (mg/kg) | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | 0.123 U | 0.119 U | 0.120 U | 0.122 U | 0.122 U | | | | | | | | |
| | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.034 | 0.114 | 0.057 | 0.026 | 0.102 | 0.162 | 0.138 | 0.154 | | | | | | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 4.16 | 10.1 | 59.3 | 6.60 | 5.49 | 7.34 | 4.80 | 6.51 | | | | | | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 108 | 80.8 | 54.5 | 35.6 | NA | NA | NA | NA | | | | | | | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.27 U | 0.28 U | 0.30 U | 0.27 U | NA | NA | NA | NA | | | | | | | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.27 U | 0.29 | 0.29 | 0.27 U | 0.32 | 0.30 U | 0.30 U | 0.31 U | | | | | | | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 48.9 | 33.6 | 18.2 | 15.0 | 12.7 | 11.9 | 8.18 | 9.58 | | | | | | | | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 10.9 | 82.8 | 36.5 | 19.3 | 73.5 | 99.7 | 123 | 52.9 | | | | | | | | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 23.3 | 17.1 | 9.69 | 8.77 | NA | NA | NA | NA | | | | | | | | | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | 5.34 U | 5.60 U | 5.84 U | 5.31 U | NA | NA | NA | NA | | | | | | | | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 0.54 U | 0.56 U | 0.59 U | 0.54 U | NA | NA | NA | NA | | | | | | | | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 33.5 | 21.8 | 20.0 | 17.1 | NA | NA | NA | NA | | | | | | | | | |
| | Zinc | 2,500 | 3,000 | 3,000 | 2,500 | 2,500 | N/A | 36.8 | 82.9 | 29.9 | 31.1 | NA | NA | NA | NA | | | | | | | | | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | 24 | 22 | 35 | 51 | | | | | | | | | |
| Metals, TCLP (mg/L) | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | | | | | | | | | |
| | Lead, TCLP | NS | NS | NS | NS | NS | 5.0** | NA | | | | | | | | | |
| Reactivity (mg/kg) | Reactive Cyanide | NS | NS | NS | NS | NS | N/A | NA | | | | | | | | | |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | | | | | | | | | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter.

Table 4-1: Soil Excavation Areas

| Location | Excavation Limits (0-1') | Excavation Limits (1-3') | Excavation Limits (0-1.5') |
|---|-----------------------------|-----------------------------|--|
| WF-1 (Football Field Area) | | | |
| WFA-11 | E, F, G, H | E,F,G,H | |
| WFB-11 | F, G, I, J, L, M, N, O | F, G, I, J, L, M, N, O | |
| WFC-13 | B, C, D, E | B, C, D, E | |
| WFD-13 | A, B, C, D | A, B, C, D | |
| WF-2 (Soccer Field Area) | | | |
| WFF-5 | A, B, C, D | A, B, C, D | |
| WF-3 (Practice Area) | | | |
| WFA-10 | D, E, F, G | D, E, F, G | |
| WFD-6 | B, C, E, H | B, C, E, H | |
| SB-233 | A, F, G, H | A, F, G, H | |
| WF-4 (Junior Varsity Baseball Field) | | | |
| WFG-7 | A, B, D, G | A, B, D, G | |
| Post-9 | | | A,B,C,D |
| Post-10 | | | Post-10I, Post-10L, JV-B, JV-J, JV-I, Post-9A, JV-T, JV-N, JV-O, JV-P, JV-Q, JV-R, JV-S |
| JV-JJ | E, F, G, H | E, F, G, H | |
| WF-5 (Varsity Baseball Field) | | | |
| WFB-4 | A,C, D, F | A, C, D, F | |
| WFB2, WFC2, Post-1, Post-2, Post-3, SB-252C, SB-252D | | | WFV-1, WFV-60, WFV-62, WFV-3, WFV-64, WFV-67, WFV-68, WFV-7, WFV-14, WFV-17, WFV-20, WFV-23, WFV-27, WFV-30, WFV-72, WFV-36, WFV-39, WFV-42, WFV-45, WFV-48, WFV-13, WFV-50, WFV-52, WFV-54, WFV-9, WFV-56, WFV-58 |

FIGURES

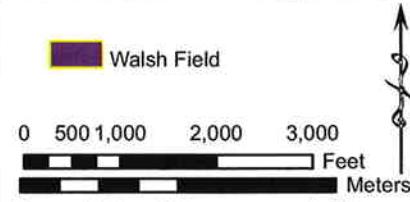
FIGURE 1
SITE LOCATION MAP
NEW BEDFORD, MASSACHUSETTS

Massachusetts

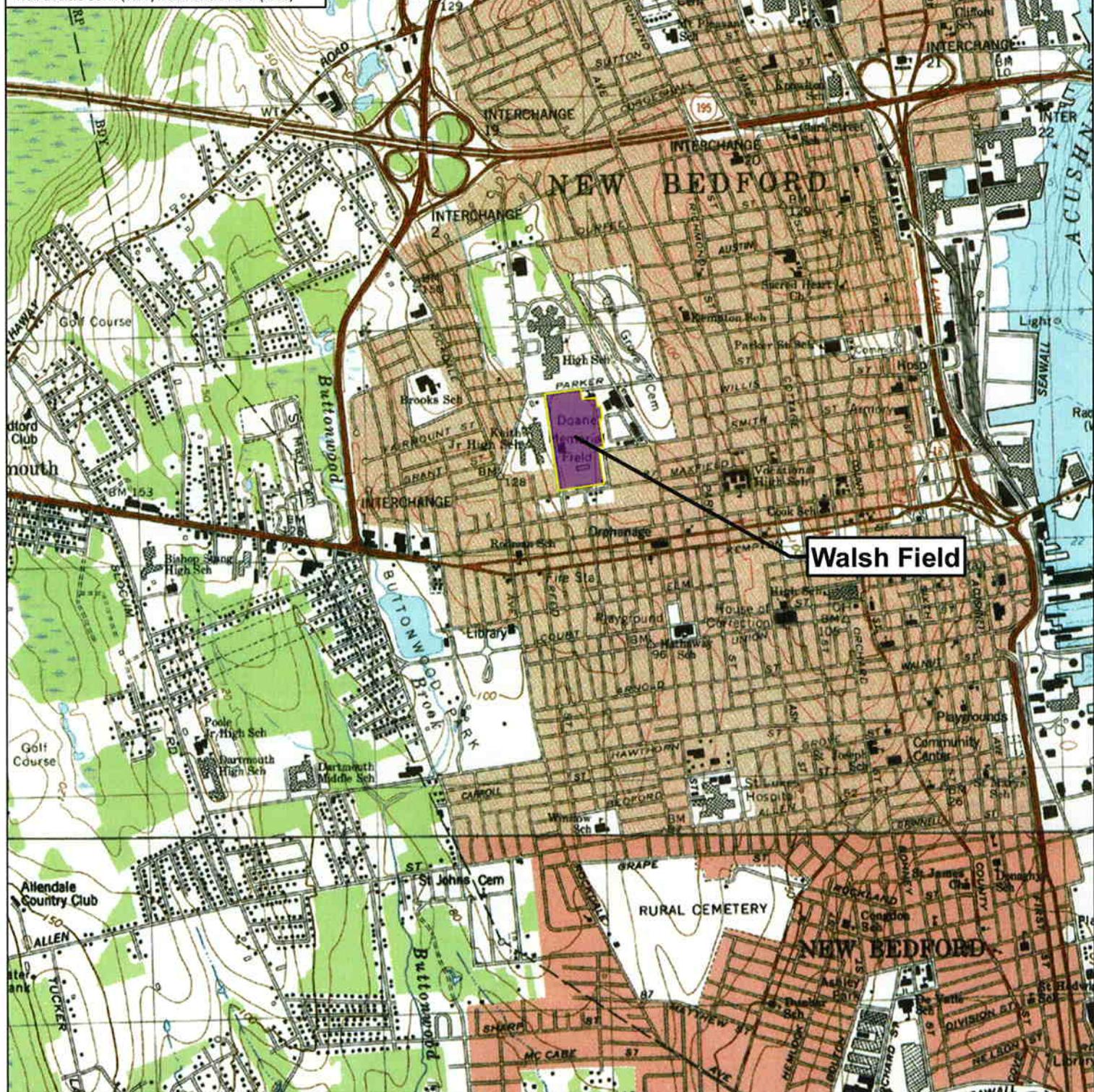


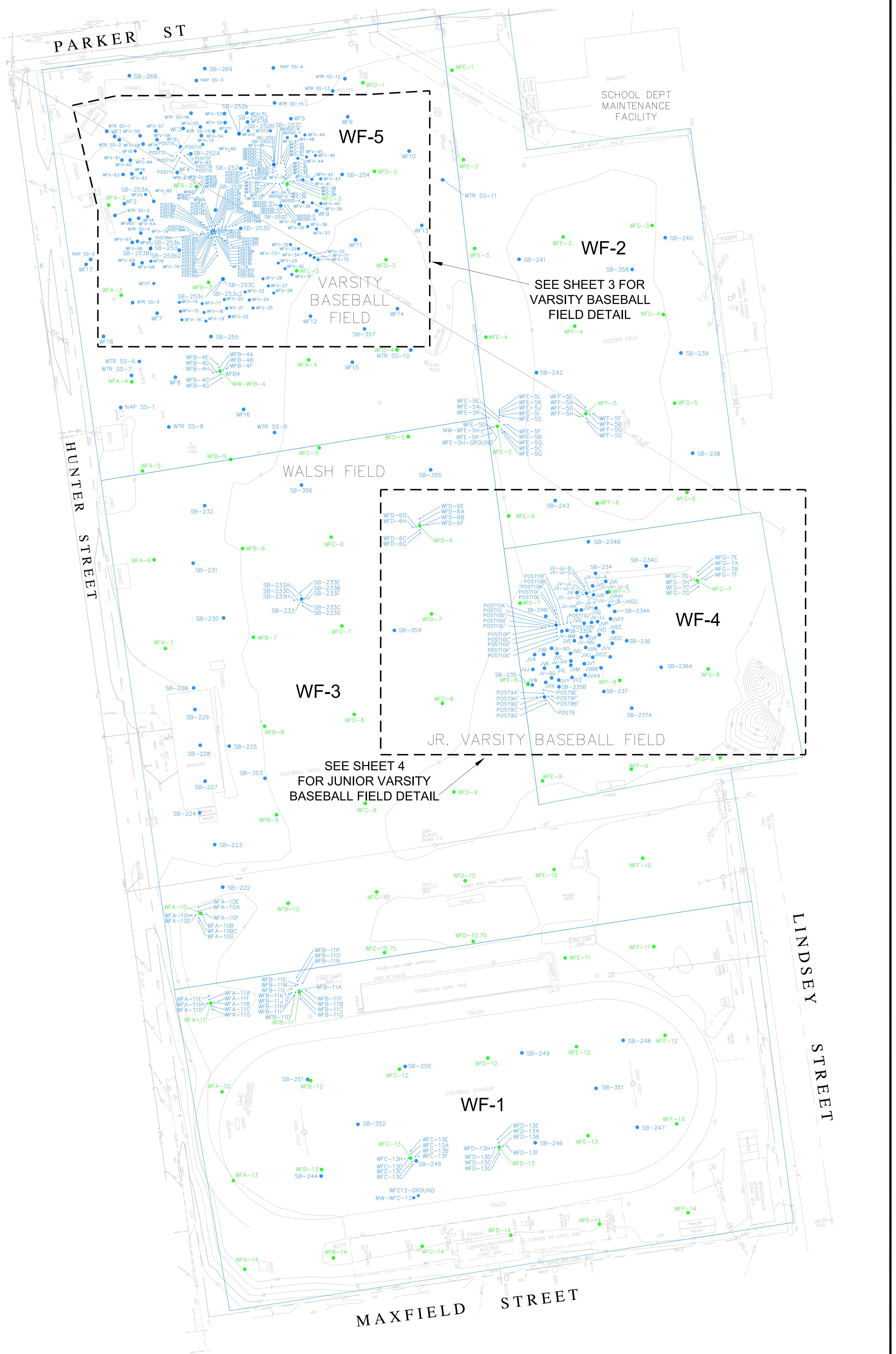
Site Location

New Bedford



Basemap: U.S.G.S. 7.5 Minute Topographic Quadrangles
New Bedford South (1977) New Bedford North (1979)



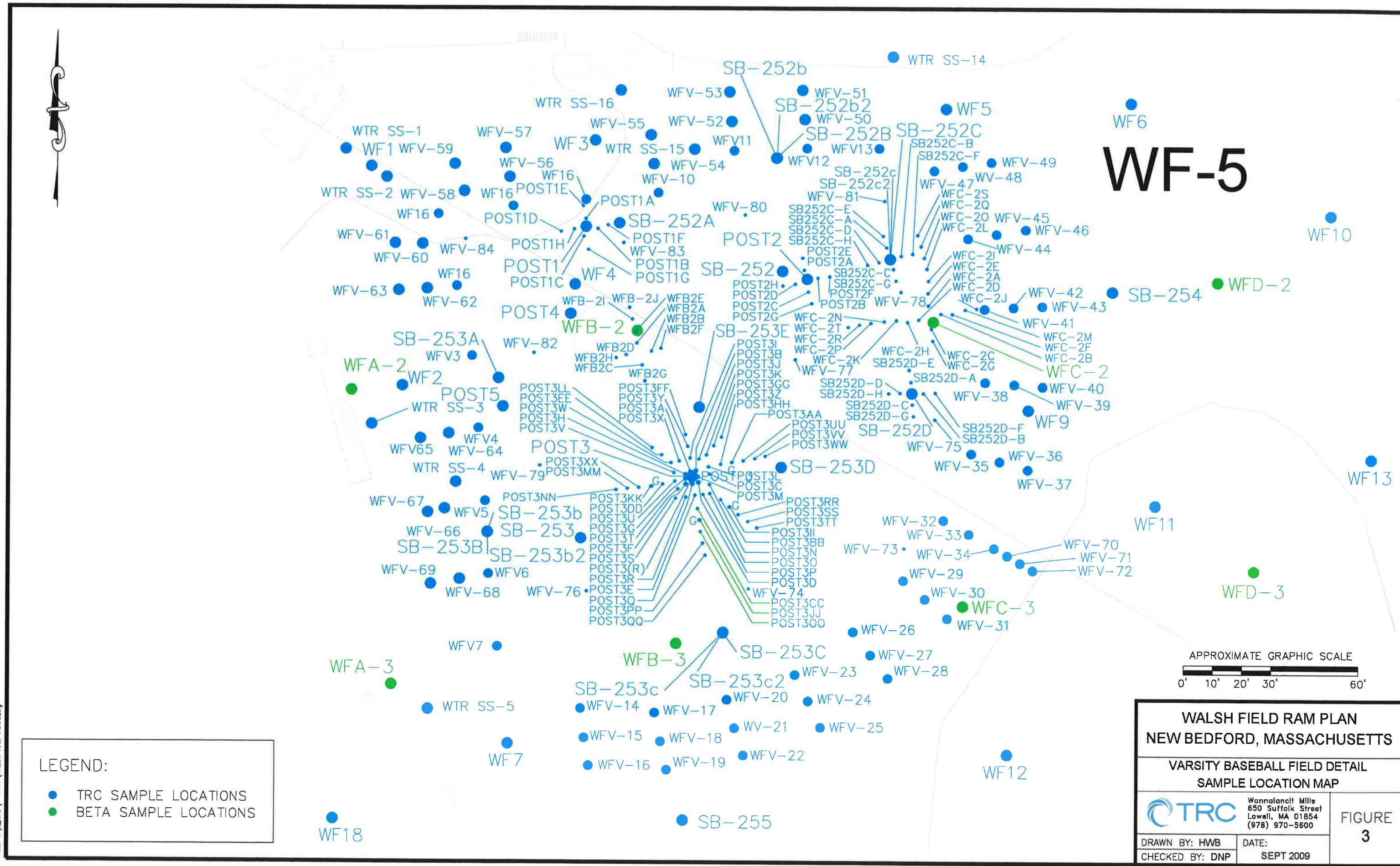


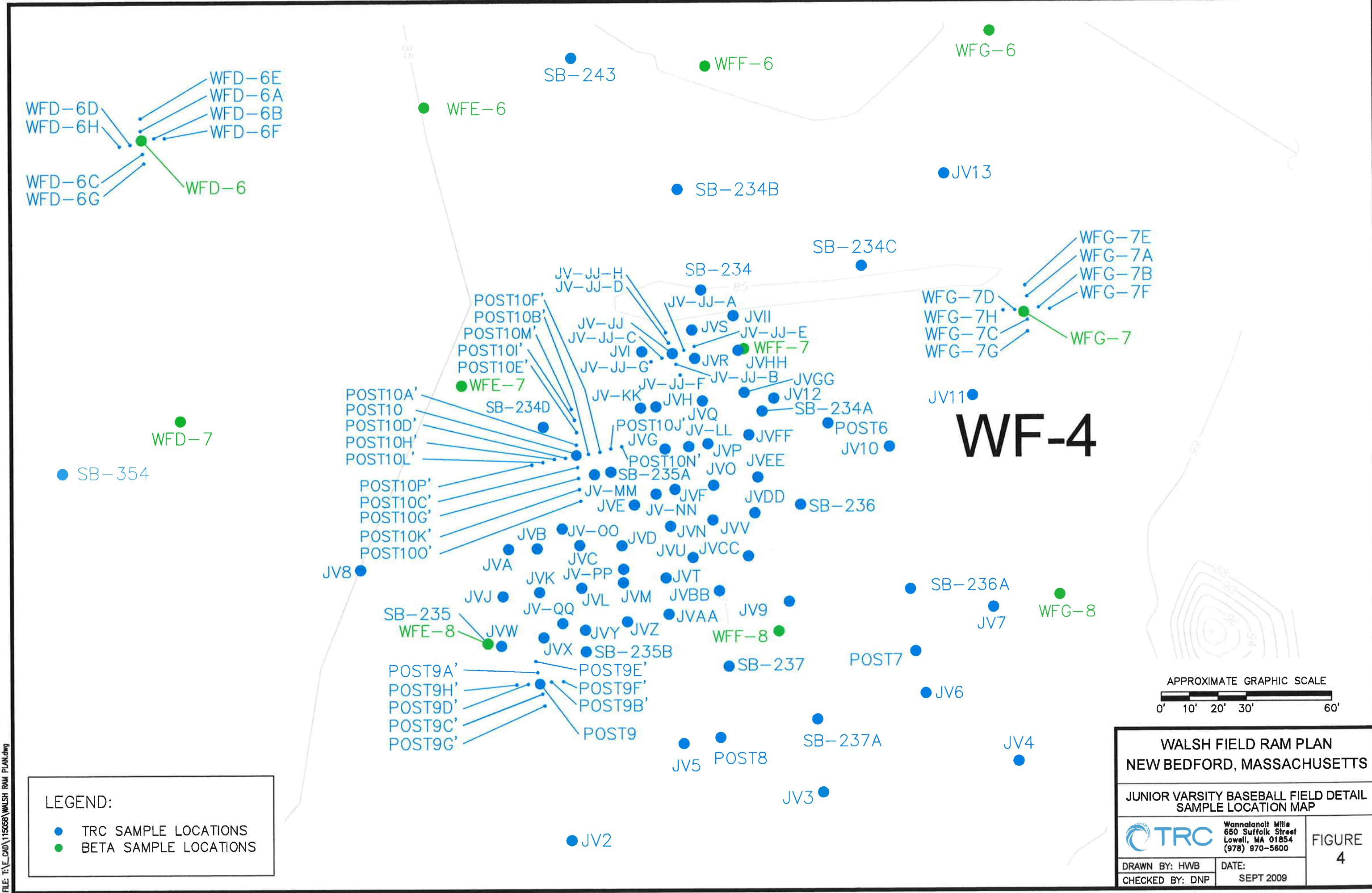
WALSH FIELD RAM PLAN
NEW BEDFORD, MASSACHUSETTS

| WALSH FIELD EXPOSURE POINT AREAS AND SAMPLE LOCATION MAP | | FIGURE |
|--|---|--------|
| | Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600 | 2 |
| DRAWN BY: HWB | DATE: SEPT 2009 | |
| CHECKED BY: DNP | | |

NOTES:

- MAP PREPARED BASED ON DRAWINGS AND SURVEY DATA PROVIDED BY LAND PLANNING, INC. OF HANSON, MASSACHUSETTS.
- ALL TRC SAMPLING LOCATIONS SURVEYED BY LAND PLANNING, INC. OF HANSON, MASSACHUSETTS.
- BETA SAMPLE LOCATIONS ARE APPROXIMATE AND BASED ON THE FIGURE PROVIDED IN THE JUNE 9, 2006 "SUMMARY OF ANALYTICAL DATA, NEW BEDFORD HIGH SCHOOL, NEW BEDFORD, MASSACHUSETTS" BY BETA GROUP, INC. OF NORWOOD, MASSACHUSETTS.





APPENDIX A

RISK CHARACTERIZATION INFORMATION

1.0 HUMAN HEALTH RISK CHARACTERIZATION

This human health risk characterization was prepared consistent with 310 CMR 40.0835(4) g and h of the Massachusetts Contingency Plan (MCP) and provides a risk characterization for the Football Field (WF-1), Soccer Field (WF-2), Practice Area (WF-3) including the softball field, Junior Varsity Baseball Field (WF-4) and Varsity Baseball Field (WF-5) of Walsh Field. The goals of the risk characterization are: (1) to identify those compounds present within the top three feet of ground surface that pose a significant risk to health for each subarea of Walsh Field; and (2) to determine the extent of excavation necessary to achieve a condition No Significant Risk for the top three feet of soil.

Walsh Field has been extensively investigated to determine the nature and extent of soil impacts. Tables 3-1 through 3-5 in the Release Abatement Measure (RAM) Plan for WF-1 through WF-5 areas, respectively, present the soil data available for each of the subareas, including those samples collected as part of pre-excavation characterization. Though all data are presented in these tables, only the soil data for the 0 to 3 foot interval have been used in this risk characterization. A Method 1/Method 2 approach was selected to characterize baseline risk at these areas (Section 1.1; Baseline Human Health Risk Characterization), and to determine the extent of soil removal required to achieve a condition of no significant risk (Section 1.2; Post-Excavation Human Health Risk Characterization). Once Method 1/Method 2 soil cleanup standards are achieved for a subarea based on described excavation extents, a condition of no significant risk is determined to exist.

1.1 Baseline Human Health Risk Characterization

To evaluate baseline (i.e., pre-excavation) conditions at WF-1 through WF-5, the data for each subarea were summarized to generate exposure point concentrations (EPCs). The EPCs were then compared to applicable Method 1/Method 2 standards to determine those compounds that pose an unacceptable risk to health, as well as the locations where the most elevated concentrations are found. Tables 1 through 5 of this appendix present the baseline data sets used to determine the compounds and locations contributing to EPCs in excess of Method 1/Method 2 soil cleanup standards for WF-1 through WF-5, respectively. Table 6 presents the data for hot spot WFB-4, located within the outfield of the Varsity Baseball Field.

The baseline data sets do not contain data for sampling points removed as part of the Immediate Response Action (IRA) completed at the Varsity and Junior Varsity Baseball Fields in November 2008 in response to elevated surficial arsenic concentrations above the MCP Imminent Hazard (IH) threshold of 40 mg/kg. However, post-excavation confirmation sampling results collected for these two areas are included in the baseline data sets.

The baseline data sets are summarized and EPCs presented in Tables 7 through 12 of this appendix for WF-1 through WF-5 and hot spot WFB-4, respectively. The following

sections discuss current and potential future use of the Walsh Field subareas, document the selection of applicable Method 1/Method 2 standards, the basis for the EPCs, and the Method 1 comparison for baseline conditions.

1.1.1 Current and Potential Future Use

Walsh Field is an active athletic complex that contains a Football Stadium along Maxfield Street, a Soccer Field that abuts the City's maintenance yard, the fenced varsity baseball field at the corner of Parker and Hunter Streets, the junior varsity baseball field abutting the maintenance yard between the soccer field and football stadium, and a central area used for athletic practices of various sports. This Practice Area is located along Hunter Street, between the varsity field and the football stadium and includes the softball field. The former Doane Field House (currently vacant) is located at the eastern edge of the practice area, along Hunter Street. Walsh Field serves as the primary athletic area of the High School and also hosts semi-professional games at the varsity field. The entire Walsh Field is surrounded by a fence to limit access by the general public in order to preserve the quality of the playing surfaces. The varsity field is further surrounded by a second 8-foot fence. Athletic teams use the fields for practices and games between mid-March and late November each year.

The City does not intend to change the use of this area in the future, other than the possible return of the field house to active use. Therefore, it is assumed that future use will be the same as current use, but an occupied building may exist in the future.

1.1.2 Groundwater and Soil Categorization

The following sets forth the applicable groundwater and soil categories at the Site. This categorization was prepared consistent with 310 CMR 40.0932, 310 CMR 40.0933, and Table 40.0933(9) of the MCP.

Groundwater categories GW-2 and GW-3 apply to groundwater beneath the Walsh Field. Groundwater beneath the field is located at depths less than 15 feet below ground surface. Even though no currently occupied buildings exist at the field, the City plans to return the field house to active use. As a result, groundwater will meet the criteria for category GW-2 under future use. In addition, all groundwater is thought to eventually discharge to surface water bodies per the MCP (310 CMR 40.0932 (2)); therefore, groundwater category GW-3 is also relevant to groundwater at the field.

Soil category S-1 applies to soil at the Walsh Field complex. Current and potential frequency of use by children and adults is "High" due to the active use of the athletic field for the majority of the year. Potentially contaminated soil at the Site is present in the 0-3 foot depth interval. This is the soil interval of greatest concern and the focus of the risk characterization. Soil contamination at depths greater than 3 feet is considered *potentially accessible*, consistent with 310 CMR 40.0933(4)(c)(2). Exposures to soil contaminants greater than three feet in depth will be controlled through the use of an

activity and use limitation (AUL) and has not been considered in this risk characterization.

1.1.3 Exposure Point Concentrations

Compounds with maximum detected concentrations below MassDEP background concentrations for natural soils were not considered to be compounds of potential concern (COPCs) and were not evaluated further. As shown in Tables 7 through 11, soil EPCs were identified as either arithmetic mean concentrations or 95% upper confidence limits on the arithmetic mean (95% UCLs). Maximum detected concentrations were used as EPCs for hot spot WFB-4, as presented on Table 6. Arithmetic mean concentrations were used as EPCs for compounds with concentrations in excess of Method 1/Method 2 soil cleanup standards if less than 25% of the samples exceeded applicable standards, as long as no single concentration was greater than 10 times the applicable Method 1/Method 2 soil cleanup standards. In those cases where greater than 25% of samples exceeded an applicable standard and/or a single sample concentration was more than 10 times the applicable standard, 95% UCLs were selected for use as EPCs. The basis of each EPC is identified in Tables 7 through 11.

1.1.4 Method 1/Method 2 Risk Characterization

Soil EPCs under baseline condition indicate a condition of No Significant Risk has not been achieved for soil under current and future use scenarios. Future risks associated with exposure to soils greater than three feet below ground surface will be controlled through the implementation of an Activity and Use Limitation. Current risks associated with soils within three feet of ground surface will be addressed through excavation. Contaminants associated with current risk for each subarea are discussed below.

For WF-1, the lead EPC exceeded applicable soil standards (Table 7). Benzo(a)pyrene, cadmium and lead EPCs were identified as exceeding soil standards at WF-2 (Table 8). Cadmium and lead EPCs exceeded applicable soil cleanup standards at WF-3 (Table 9), while arsenic, cadmium and lead EPCs exceeded applicable soil cleanup standards at WF-4 (Table 10). For WF-5, arsenic and lead EPCs exceeded applicable soil cleanup standards (Table 11), along with EPCs in excess of soil cleanup standards for polycyclic aromatic hydrocarbons (PAHs), dibenzofuran and diesel range organics at hot spot WFB-4 (Table 6). Based on this information, these compounds of concern (COCs) were identified for targeted removal to achieve a condition of no significant risk for the top three feet of soil.

1.2 Post-Excavation Human Health Risk Characterization

Once the COCs were identified for each subarea, the sampling locations within each subarea with the highest detected concentrations of the COCs were targeted for further investigation through the collection of pre-excavation delineation sampling. The additional investigation was geared at identifying the extent of soil removal that would be

necessary at each of the targeted locations to achieve Method 1/Method 2 soil cleanup standards at each subarea.

The following sampling locations were identified as requiring further pre-excavation delineation sampling for the subareas based on elevated detection of the identified COCs:

WF-1: WFA-11, WFB-11, WFC-13, and WFD-13

WF-2: WFF-5 and WFE-5

WF-3: WFA-10, WFD-6, and SB-233

WF-4: WFG-7, Post-9, Post-10, and JV-JJ

WF-5: WFB-2, WFC-2, Post-1, Post-2, Post-3, SB-252C, SB-252D, and hot spot WFB-4

For each location identified for further pre-excavation delineation sampling, the sampling protocol called for the collection of four “inner ring” soil samples (0 to 1 foot and 1 to 3 feet in depth) five feet away from the original sampling location to the north, east, south and west (designated “A” through “D”). The protocol further called for the collection of four additional “outer ring” samples ten feet from the original sampling location (designated “E” through “H”). “Outer ring” samples were also collected from the 0 to 1 and 1 to 3 feet intervals.

The “inner ring” samples were authorized for immediate analysis by the laboratory. The “outer ring” samples were held at the laboratory, pending the results of the “inner ring” sample analysis. If one or more of the “inner ring” results caused the average of the four available results to be greater than applicable Method 1/Method 2 soil cleanup standards, the appropriate “outer ring” results were authorized for analysis. In most cases, a combination of inner and outer ring results bounded the area of elevated contaminant concentrations and an excavation boundary was determined for the top three feet of soil. Samples highlighted in red on Tables 3-1 through 3-5 in the Release Abatement Measure (RAM) Plan are those identified as requiring removal (i.e., within the individual excavation boundaries) in order to achieve a condition of no significant risk for the COCs of interest for each subarea. These samples were not used in the calculation of post-excavation EPCs.

At WFB-11, the “outer ring” results for the “E” and “H” locations continued to cause EPCs in excess of Method 1/Method 2 soil cleanup standards. Therefore, additional step-out sampling was conducted at these two locations. Samples designated “I”, “J”, and “L” flanking “E”, and “M”, “N” and “O” flanking “H” were collected. These step-out samples successfully bounded the area of elevated lead levels at WFB-11.

At WFE-5, the “inner ring” results for the 0 to 1 foot interval at WFE-5A indicated a concentration of lead that posed an IH condition, and the “outer ring” samples were immediately authorized for analysis. Because the “outer ring” results at the “E” location (the step-out sample for “A”) continued to cause EPCs in excess of Method 1/Method 2 soil cleanup standards for lead, additional step-out sampling was conducted with samples designated “I”, “J”, “K”, and “L” flanking “E”. These step-out samples successfully

bounded the area of elevated lead in both the 0 to 1 and 1 to 3 foot intervals. An IRA was implemented for this location in March 2009. Though the lead-impacted soil at this location has been removed to a depth of 3 feet below ground surface, the step-out results remaining at the edges of the excavation are included in the post-excavation data set for WF-2.

At the Junior Varsity Baseball Field (WF-4), extensive step-out sampling was conducted in all four directions at the Post-10 location to delineate the area of elevated arsenic concentrations and included collecting samples at the "A" through "P" locations. The step-out sampling successfully bounded the area of elevated arsenic to the north ("I") and west ("L"). Grid sampling was then used to bound the contamination to the east and south using the arsenic results from samples JV-A through JV-V, as well as the Post-9 results to the south. Excavation limits to the east and south were defined by sample locations JV-B, JV-J, JV-I, Post-9A, JV-T, JV-N, JV-O, JV-P, JV-Q, JV-R, and JV-S. Sampling at the Post-9 and Post-10 areas focused on the top 1.5 feet of soil to address the arsenic contamination. However, to confirm that the 1.5 to 3 foot interval did not require excavation in these areas, an additional 8 samples (JV-JJ through JV-QQ) were collected from this deeper interval. The sample results indicate that the 1.5 to 3 foot soil interval does not require excavation, except for soil at sample location JV-JJ which contained elevated cadmium at a concentration of 45 mg/kg. Therefore, soil in the vicinity of JV-JJ will be removed to a depth of three feet below ground surface. The three-foot excavation in the JV-JJ area will be bounded by "step-out" samples "E", "F", "G" and "H", which have cadmium concentrations less than Method 1 standards.

At the Varsity Baseball Field (WF-5), extensive step-out sampling was conducted at locations Post-1, Post-2, Post-3, WFB-2, WFC-2, SB-252C and SB-252D, of which all were located with the infield and shallow outfield areas. However, the limits of the arsenic contamination were not successfully bounded following these investigative efforts. Therefore, the entire infield and shallow outfield areas were targeted for removal, with perimeter sampling conducted to determine the outer edge of the excavation required to address the elevated arsenic concentrations. The perimeter samples used to define the infield/shallow outfield excavation extent were determined to be:

- WFV-1, WFV-60, WFV-62, WFV-3, WFV-64, WFV-67, WFV-68, and WFV-7, extending along the first base side of the field;
- WFV-14, WFV-17, WFV-20, WFV-23, WFV-27, WFV-30, WFV-72, WFV-36, WFV-39, WFV-42, WFV-45, and WFV-48, extending in an arc through the shallow infield from first base to third base; and
- WFV-13, WFV-50, WFV-52, WFV-54, WFV-9, WFV-56, and WFV-58, extending along the third base side of the field.

Sampling within the infield and shallow outfield focused on the top 1.5 feet of soil to address the arsenic contamination. However, to confirm that the 1.5 to 3 foot interval did not require excavation in these areas, an additional 12 samples (WFV-73 through WFV-84) were collected from this deeper interval. The sample results for the deeper soils indicate that the 1.5 to 3 foot soil interval does not require excavation.

To confirm that a condition of No Significant Risk would be achieved if the areas of elevated contaminant concentrations identified were excavated to the assumed depths (3 feet below ground surface in all targeted areas except for the infield and shallow outfield at the WF-5 and the Post-9 and Post-10 areas WF-4, exclusive of the JV-JJ location), EPCs were recalculated for each subarea after the samples within the excavation boundaries were eliminated from the data set. Samples used to define the excavation boundaries, samples deeper than 1.5 feet within the WF-4 and WF-5 infield and shallow outfield excavation areas (exclusive of the JV-JJ location), and any locations remaining outside the excavation boundaries were retained in the post-excavation data set. Compounds with maximum detected concentrations below MassDEP background concentrations for natural soils were not considered to be COPCs and were not evaluated further.

Prior to calculating EPCs, the sample results available at the perimeter of a targeted removal area were averaged for each depth interval. This average value for each depth interval was used as a replacement value for the original sample result. For example, for WFC-13, the lead results for the "B", "C", "D", and "E" delineation samples (at the perimeter of the targeted removal area) were averaged for the 0 to 1 foot and 1 to 3 foot intervals. The average results for the two depth intervals were then used as the WFC-13 data points in the data set to calculate the lead EPC for the WF-1 subarea. This approach was used so as not to weigh the excavated location more heavily in the data set than appropriate. However, for the WF-4 and WF-5 infield/shallow outfield excavation, the perimeter points were used as individual data points (i.e., were not averaged) because the areal extent of these samples was widely placed and representative of exposures across the entire area.

Tables 12 through 16 in Appendix A present the modified data sets used to calculate the EPCs for the post-excavation risk characterization. The pre-excavation delineation sampling conducted at WFE-5 resulted in the discovery of a potential imminent hazard condition due to the presence of lead within the top foot of soil. Therefore, the WFE-5 excavation identified in this risk characterization has already occurred. The sample results at the edge of the excavation were used as described in the calculation of post-excavation EPCs for the WF-2 subarea.

The post-excavation EPCs are presented on Tables 17 through 21. EPCs were calculated as described for the baseline risk characterization. These tables document that Method 1/Method 2 soil cleanup standards will no longer be exceeded and a condition of no significant risk will exist at the Football Field, Soccer Field, Practice Area, Junior Varsity Baseball Field and Varsity Baseball Field following the removal of soil to the extent identified at the targeted areas.

TABLE 1
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Football Field Area (WF-1)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-244 | | SB-245 | | SB-246 | | SB-247 | | SB-248 | | SB-249 | | SB-250 | | SB-251 | | SB-351 | | SB-352 | | | | | |
|-----------------------------|------------------------|------------------|----------------|----------------|----------------|------------|------------------|--------------|------------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|------------|---|------------|---|------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | Sample Date: | 0.5 7/11/2008 | 2 7/11/2008 | 0.5 7/11/2008 | 0-1 2/16/2009 | 0.5 7/11/2008 | 0-1 2/16/2009 | 1-3 2/16/2009 | 0-1 2/16/2009 | 1-2.5 2/16/2009 | | | | | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| | Bromomethane | 0.5 30 | 0.5 200 | 0.5 20 | 0.5 900 | 0.5 0.1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | |
| | 2-Methylnaphthalene | 80 300 | 80 1,000 | 500 3,000 | 0.7 4 | N/A | 0.196 0.181 | U | 0.200 U | U | 0.201 0.209 | U | 0.220 U | U | 0.223 U | U | 0.192 U | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U | | |
| | Acenaphthene | 1,000 1,000 | 1,000 3,000 | 3,000 3,000 | 10 1 | N/A | 0.196 0.181 | U | 0.200 U | U | 0.201 0.209 | U | 0.220 U | U | 0.223 U | U | 0.192 U | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U | | |
| | Acenaphthylene | 600 1,000 | 10 1,000 | 600 3,000 | 10 1,000 | N/A | 0.196 0.181 | U | 0.200 U | U | 0.201 0.209 | U | 0.220 U | U | 0.223 U | U | 0.192 U | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U | | |
| | Anthracene | 1,000 1,000 | 1,000 3,000 | 3,000 1,000 | 1,000 N/A | N/A | 0.196 0.181 | U | 0.200 U | U | 0.201 0.209 | U | 0.220 U | U | 0.223 U | U | 0.192 U | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U | | |
| | Benzo(a)anthracene | 7 1 | 7 40 | 40 4 | 7 2 | N/A | 0.196 0.252 | U | 0.213 0.204 | U | 0.201 U | U | 0.243 0.234 | U | 0.293 0.234 | U | 0.234 U | U | 0.307 0.306 | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U |
| | Benzo(a)pyrene | 2 2 | 2 4 | 4 2 | 7 N/A | N/A | 0.196 0.257 | U | 0.204 0.201 | U | 0.201 U | U | 0.243 0.234 | U | 0.293 0.288 | U | 0.234 0.326 | U | 0.295 0.236 | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U |
| | Benzo(b)fluoranthene | 7 7 | 7 40 | 40 40 | 7 7 | N/A | 0.196 0.307 | U | 0.233 0.234 | U | N/A | N/A | 0.328 0.326 | U | 0.390 0.333 | U | 0.233 0.220 | U | 0.295 0.288 | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U | | | | |
| | Benzo(g,h,i)perylene | 1,000 1,000 | 1,000 3,000 | 3,000 3,000 | 1,000 1,000 | N/A | 0.196 0.193 | U | 0.200 U | U | 0.201 U | U | 0.209 U | U | 0.220 U | U | 0.223 U | U | 0.251 U | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U |
| | Benzo(k)fluoranthene | 70 70 | 70 400 | 400 400 | 70 70 | N/A | 0.196 0.181 | U | 0.200 U | U | 0.201 U | U | 0.209 U | U | 0.220 U | U | 0.223 U | U | 0.192 U | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U |
| | Chrysene | 70 70 | 70 400 | 400 400 | 70 70 | N/A | 0.196 0.335 | U | 0.215 0.216 | U | N/A | N/A | 0.296 0.317 | U | 0.317 0.252 | U | 0.235 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U | | | | |
| | Dibenz(a,h)anthracene | 0.7 0.7 | 0.7 4 | 4 0.7 | 0.7 N/A | N/A | 0.196 0.181 | U | 0.200 U | U | 0.201 U | U | 0.209 U | U | 0.220 U | U | 0.223 U | U | 0.192 U | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U |
| | Fluoranthene | 1,000 1,000 | 1,000 3,000 | 3,000 3,000 | 1,000 1,000 | N/A | 0.196 0.668 | U | 0.370 0.337 | U | N/A | N/A | 0.463 0.504 | U | 0.504 0.505 | U | 0.414 U | U | 0.228 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U | | | | |
| | Fluorene | 1,000 1,000 | 1,000 3,000 | 3,000 3,000 | 1,000 1,000 | N/A | 0.196 0.181 | U | 0.200 U | U | 0.201 U | U | 0.209 U | U | 0.220 U | U | 0.223 U | U | 0.192 U | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U |
| | Indeno(1,2,3-cd)pyrene | 7 7 | 40 40 | 40 40 | 7 N/A | N/A | 0.196 0.219 | U | 0.200 U | U | 0.201 U | U | 0.209 U | U | 0.220 U | U | 0.223 U | U | 0.284 U | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U |
| | Naphthalene | 40 500 | 500 40 | 40 1,000 | 4 1,000 | N/A | 0.196 0.181 | U | 0.200 U | U | 0.201 U | U | 0.209 U | U | 0.220 U | U | 0.223 U | U | 0.192 U | U | 0.220 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U |
| | Phenanthrene | 500 500 | 500 1,000 | 1,000 1,000 | 10 10 | N/A | 0.196 0.626 | U | 0.267 0.230 | U | N/A | N/A | 0.226 0.241 | U | 0.225 0.226 | U | 0.240 U | U | 0.189 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U | | | | |
| | Pyrene | 1,000 1,000 | 1,000 3,000 | 3,000 3,000 | 1,000 1,000 | N/A | 0.208 0.385 | U | 0.427 0.329 | U | N/A | N/A | 0.442 0.372 | U | 0.372 0.368 | U | 0.768 0.329 | U | 0.202 U | U | 0.240 U | U | 0.201 U | U | 0.231 U | U | 0.191 U | | | | |
| PCBs | Aroclor 1254 | 2 2 | 2 3 | 3 3 | 2 2 | 1 1 | 0.0580 0.0580 | U | 0.0528 U | U | 0.0604 0.0604 | U | 0.0618 U | U | 0.0586 U | U | 0.0642 U | | | | | | | | | | | | | | |

TABLE 2
Baseline Analytical Results for Soil Samples - 2006, 2008, and 2009
Walsh Field - Soccer Field Area (WF-2)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFE-1 | | WFE-2 | | WFE-4 | | WFE-5 | | WFE-6 | | WFF-4 | | WFF-5 | | SB-238 | | SB-239 | | SB-240 | | SB-241 | | SB-242 | | SB-243 | | SB-358 | |
|-----------------------------|------------------------|------------------|-------|---------------------|-------|--------------------------------|-----------------------|--------------------|-----------------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------|--------|-------|--------|-------|--------|--|
| | | Sample Date: | | Sample Depth (ft.): | | 2/23/2006 0.75-2.5 combo | 2/23/2006 1.75-2.5 | 2/23/2006 2-2.5 | 2/23/2006 1-2.5 combo | 2/23/2006 2-2.5 | 2/23/2006 2-2.5 | 0.5 7/11/2008 | 0-i 2/16/2009 | 1-3 2/16/2009 | | | | | | | |
| VOCs (mg/kg) | Chloromethane | NS | NS | NS | NS | 100 | N/A | NA | NA | 0.11 | 0.11 | U | NA | NA | NA | | | | | |
| | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | 0.48 | 0.11 | U | NA | NA | NA | | | | | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | 0.230 | 0.130 | 0.062 | U | 0.065 | U | NA | 0.056 | U | 4.4 | NA | NA | NA | NA | | | | |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.077 | 0.130 | 0.062 | U | 0.065 | U | 0.270 | U | 0.056 | U | 1.60 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.370 | 0.220 | 0.062 | U | 0.065 | U | 0.270 | U | 0.056 | U | 1.90 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.560 | 0.810 | 0.062 | U | 0.065 | U | 0.960 | U | 0.056 | U | 5.50 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 1.10 | 1.70 | 0.083 | U | 0.065 | U | 1.70 | U | 0.056 | U | 10.0 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 2.70 | 3.30 | 0.170 | U | 0.140 | U | 3.40 | U | 0.110 | U | 14.0 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 3.0 | 2.40 | 0.150 | U | 0.170 | U | 3.20 | U | 0.130 | U | 11.0 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 2.40 | 2.10 | 0.130 | U | 0.110 | U | 3.80 | U | 0.089 | U | 8.10 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 1.60 | 1.30 | 0.079 | U | 0.077 | U | 2.10 | U | 0.079 | U | 3.70 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.17125 | J | 0.198 | U | 0.189 | U | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 2.30 | 2.70 | 0.170 | U | 0.210 | U | 1.60 | U | 0.140 | U | 9.30 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 2.40 | 3.0 | 0.180 | U | 0.130 | U | 4.20 | U | 0.100 | U | 9.20 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.650 | 0.670 | 0.062 | U | 0.065 | U | 1.90 | U | 0.056 | U | 1.50 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 5.80 | 5.50 | 0.320 | U | 0.270 | U | 6.50 | U | 0.200 | U | 36.0 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.197 | U | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.370 | 0.460 | 0.062 | U | 0.065 | U | 0.300 | U | 0.056 | U | 5.10 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 1.40 | 1.0 | 0.062 | U | 0.065 | U | 0.610 | U | 0.072 | U | 4.0 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 1,000 | N/A | 0.150 | 0.220 | 0.062 | U | 0.065 | U | 0.270 | U | 0.056 | U | 1.80 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 4.50 | 5.70 | 0.240 | U | 0.160 | U | 5.0 | U | 0.097 | U | 39.0 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.183 | U | 0.198 | U | 0.189 | U | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 5.40 | 6.40 | 0.400 | U | 0.360 | U | 8.0 | U | 0.210 | U | 27.0 | 0.181 | U | 0.178 | U | 0.197 | U | 0.193 | U | 0.188 | U | 0.16775 | J | 0.198 | U | 0.339 | U | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.581 | 0.108 | 0.130 | U | 0.420 | U | 0.164 | U | 0.068 | U | 0.295 | U | 0.050 | U | 0.055 | U | 0.043 | U | 0.047 | U | 0.046 | U | 0.044 | | | | | |

TABLE 3
Baseline Analytical Results for Soil Samples - 2006, 2008, and 2009
Walsh Field - Practice Area (WF-3)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFA-6 | WFA-10 | WFB-5 | WFB-7 | WFB-8 | WFB-10 | | WFC-6 | WFC-7 | WFC-8 | WFC-9 | WFC-10 | WFD-5 | | WFD-6 | WFD-8 | | | |
|---------------------------------------|------------------------|------------------|-----------|-----------|-----------|-----------|-----------|---------|---------|-------|---------|---------|--------|-----------|---------|---------|---------|----------|---------|--------|---------|-----------|-----------|---------|----|--|
| | | Sample Date: | 2/23/2006 | 2/23/2006 | 2/23/2006 | 2/23/2006 | 2/23/2006 | | | | | | 0-0.5 | 2/23/2006 | 2-2.5 | | | | | | | 2/23/2006 | 2/23/2006 | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-I | TSCA | | | | | | | | | | | | | | | | | | | |
| PAHs / Dibenzofuran (mg/kg) | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.280 U | 0.410 U | NA | 0.330 U | 0.280 U | NA | NA | 0.350 U | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.300 U | 0.300 U | 0.280 U | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.280 U | 0.410 U | NA | 0.330 U | 0.280 U | NA | NA | 0.350 U | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.300 U | 0.300 U | 0.280 U | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.280 U | 0.410 U | NA | 0.770 | 0.280 U | NA | NA | 0.600 | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.310 | 0.280 | 0.280 U | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.280 U | 0.410 U | NA | 1.10 | 0.280 U | NA | NA | 0.380 | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.350 | 0.280 | 0.470 | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.280 U | 0.550 | NA | 3.0 | 0.280 U | NA | NA | 1.20 | 0.300 U | 0.360 | 0.510 | 0.560 | NA | 0.710 U | 0.750 | 0.730 | 0.400 | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.280 U | 0.790 | NA | 2.50 | 0.280 U | NA | NA | 1.10 | 0.300 U | 0.370 | 0.510 | 0.540 | NA | 0.710 U | 0.910 | 0.710 | 0.570 | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.280 U | 0.950 | NA | 3.20 | 0.280 U | NA | NA | 1.30 | 0.300 U | 0.460 | 0.640 | 0.630 | NA | 0.710 U | 0.690 | 0.710 | 0.330 | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.280 U | 0.630 | NA | 0.990 | 0.280 U | NA | NA | 0.450 | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.320 | 0.280 | 0.280 U | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.280 U | 0.660 | NA | 3.40 | 0.280 U | NA | NA | 1.50 | 0.300 U | 0.410 | 0.590 | 0.610 | NA | 0.710 U | 0.900 | 0.710 | 0.580 | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.280 U | 0.500 | NA | 1.60 | 0.280 U | NA | NA | 0.660 | 0.300 U | 0.320 U | 0.340 | 0.300 U | NA | 0.710 U | 0.550 | 0.710 | 0.280 U | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.280 U | 0.750 | NA | 5.90 | 0.280 U | NA | NA | 2.0 | 0.300 U | 0.710 | 1.30 | 0.800 | NA | 0.710 U | 1.30 | 0.710 | 0.730 | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.280 U | 0.410 U | NA | 0.330 U | 0.280 U | NA | NA | 0.350 U | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.300 U | 0.280 | 0.280 U | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.280 U | 0.410 U | NA | 0.450 | 0.280 U | NA | NA | 0.350 U | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.300 U | 0.280 | 0.280 U | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.280 U | 0.410 U | NA | 0.330 U | 0.280 U | NA | NA | 0.350 U | 0.300 U | 0.320 U | 0.290 U | 0.300 U | NA | 0.710 U | 0.300 U | 0.280 | 0.280 U | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.280 U | 0.410 U | NA | 4.30 | 0.280 U | NA | NA | 1.10 | 0.300 U | 0.360 | 0.660 | 0.300 U | NA | 0.710 U | 0.810 | 0.710 | 0.490 | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.280 U | 0.410 U | NA | 6.50 | 0.280 U | NA | NA | 2.60 | 0.300 U | 0.630 | 1.20 | 0.850 | NA | 0.710 U | 1.40 | 0.710 | 0.880 | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.280 U | 0.870 | NA | | | | | | | | | | | | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.250 | 0.040 U | 0.1 U | 0.034 U | 0.029 U | 0.039 | 0.029 | 0.035 U | 0.030 U | 0.033 U | 0.029 U | 0.030 U | 0.1 U | 0.1 U | 0.031 U | 0.028 | 0.028 | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.028 U | 0.052 | 0.1 U | 0.034 U | 0.029 U | 0.037 | 0.029 | 0.035 U | 0.030 U | 0.033 U | 0.036 | 0.030 U | 0.1 U | 0.1 U | 0.031 U | 0.028 | 0.028 | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.250 | 0.052 | 0.2 U | 0.034 U | 0.029 U | 0.076 | 0.029 | 0.035 U | 0.030 U | 0.033 U | 0.036 | 0.030 U | 0.2 U | 0.2 U | 0.031 U | 0.028 | 0.028 | | |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.001 U | NA | 0.0024 | NA | NA | NA | NA | NA | |
| | 4,4'DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.014 | NA | 0.026 | NA | NA | NA | NA | NA | |
| | 4,4'DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.0021 U | NA | 0.0064 | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.326 | 0.162 | NA | 3.09 | 0.174 | NA | NA | 0.726 | 4.62 | 0.474 | 0.452 | 1.26 | NA | 0.553 | 0.307 | 0.309 | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 6.95 U | 28.7 | NA | 26.5 | 9.78 | NA | NA | 17.1 | 14.5 | 7.88 U | 15.5 | 12.0 | NA | 22 | 30.4 | 9.67 | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 27.8 U | 280 | NA | 400 | 68.9 | NA | NA | 237 | 197 | 48.9 | 242 | 182 | NA | 973 | 466 | 82.9 | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.695 U | 3.82 | NA | 0.828 U | 0.679 U | NA | NA | 1.19 | 0.737 U | 0.788 U | 0.697 U | 0.748 U | NA | 5.97 | 41.4 | 0.673 U | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | | | | | | | | | | | | | | | | | | | |

TABLE 3
Baseline Analytical Results for Soil Samples - 2006, 2008, and 2009
Walsh Field - Practice Area (WF-3)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFD-9 2/23/2006 2-2.5 | WFD-10 2/23/2006 0-0.5 | WFE-9 2/23/2006 1-2 | WFF-10 2/23/2006 1.5-2.5 | SB-222 7/9/2008 1 | SB-223 7/9/2008 1 | SB-224 7/9/2008 (a) | SB-225 7/9/2008 1 | SB-226 7/10/2008 0.5 | SB-230 7/10/2008 0.5 | SB-231 7/10/2008 0.5 | SB-232 7/10/2008 0.5 | SB-233 | | | |
|---------------------------------------|------------------------|------------------|----------|----------|----------|--------|------|-----------------------------|------------------------------|---------------------------|--------------------------------|-------------------------|-------------------------|---------------------------|-------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------|--------------|-------------|-------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | |
| PAHs / Dibenzofuran (mg/kg) | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | 0.256 U | 0.172 U | 0.178 U | 0.175 U | 0.868 U | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 1.16 | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | 0.256 U | 0.172 U | 0.178 U | 0.175 U | 0.222 U | 1.73 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 3.24 |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | 0.256 U | 0.172 U | 0.178 U | 0.175 U | 0.868 U | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 0.995 U | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.330 U | NA | 0.310 U | 0.430 | 0.310 U | 0.256 U | 0.172 U | 0.334 | 0.413 | 3.54 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 4.93 | |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.330 U | NA | 0.300 | 0.320 | 0.310 U | 0.256 U | 0.389 | 0.899 | 1.15 | 6.42 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 7.53 | |
| | Benz(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.330 U | NA | 0.300 | 0.320 | 0.310 U | 0.256 U | 0.389 | 0.738 | 0.968 | 4.80 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 5.48 | |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.330 U | NA | 0.380 | 0.540 | 0.310 U | 0.256 U | 0.537 | 1.02 | 1.33 | 6.09 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 6.60 | |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.330 U | NA | 0.280 U | 0.320 | 0.310 U | 0.256 U | 0.257 | 0.504 | 0.630 | 2.80 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 2.76 | |
| | Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | 0.256 U | 0.192 | 0.387 | 0.499 | 2.43 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 2.49 | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.330 U | NA | 0.350 | 0.770 | 0.310 U | 0.256 U | 0.487 | 1.01 | 1.23 | 6.52 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 7.35 | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | 0.256 U | 0.172 U | 0.178 U | 0.883 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 0.995 U | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.330 U | NA | 0.570 | 0.710 | 0.310 U | 0.256 U | 0.812 | 1.85 | 1.93 | 10.6 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 13.4 | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | 0.256 U | 0.172 U | 0.178 U | 0.183 | 1.53 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 3.50 | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | 0.256 U | 0.281 | 0.590 | 0.744 | 3.66 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 3.60 | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.330 U | NA | 0.280 U | 0.300 U | 0.310 U | 0.256 U | 0.172 U | 0.178 U | 0.175 | 0.868 U | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 1.38 | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.330 U | NA | 0.370 | 0.590 | 0.310 U | 0.256 U | 0.780 | 1.47 | 1.77 | 11.6 | 0.180 U | 0.179 U | 0.182 U | 0.173 U | 20.0 | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.330 U | NA | 0.550 | 0.670 | 0.310 U | 0.256 U | 0.899 | 1.48 | 2.36 | 10.7 | 0.180 U | 0.179 U | 0.250 | 0.196 | 13.4 | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.033 U | 0.048 | 0.029 U | 0.030 U | 0.032 U | 0.0500 U | 0.0522 U | 0.0517 U | 0.0512 U | 0.0500 U | 0.0543 U | 0.0525 U | 0.0528 U | 0.0515 U | 0.0623 U | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.033 U | 0.044 | 0.029 U | 0.030 U | 0.032 U | 0.0500 U | 0.0522 U | 0.0517 U | 0.0512 U | 0.0500 U | 0.0543 U | 0.0525 U | 0.0528 U | 0.0515 U | 0.0623 U | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.033 U | 0.092 | 0.029 U | 0.030 U | 0.032 U | 0.0500 U | 0.0522 U | 0.0517 U | 0.0512 U | 0.0500 U | 0.0543 U | 0.0525 U | 0.0528 U | 0.0515 U | 0.0623 U | |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | 0.0011 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | 0.0048 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | 0.0021 U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.0627 U | NA | 1.13 | 0.100 | 0.0636 U | 0.176 | 0.190 | 0.085 | 0.168 | 0.246 | 0.041 | 0.024 | 0.319 | 0.228 | 4.77 | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 13.9 | NA | 10.9 | 21.5 | 8.04 U | 18.0 | 5.01 | 2.68 U | 5.69 | 5.65 | 4.38 | 9.93 | 4.98 | 5.45 | 9.44 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 218 | NA | 173 | 453 | 101 | 23.8 | 31.2 | 18.2 | 45.3 | 33.9 | 26.9 | 66.5 | 25.4 | 25.1 | 308 | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | 0.55 | 0.26 | U | 0.27 U | 0.27 U | 0.28 U | 0.27 U | 0.28 U | 0.26 U | 0.30 U | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.782 U | NA | 0.703 U | 0.716 U | 0.804 U | 0.35 | 0.31 | 0.27 U | 0.37 | 0.36 | 0.28 U | 0.27 U | | | | |

TABLE 3
Baseline Analytical Results for Soil Samples - 2006, 2008, and 2009
Walsh Field - Practice Area (WF-3)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-353 | | SB-354 | | SB-355 | | SB-356 | |
|--|------------------------|------------------|----------|----------|------------------|--------------------|--------------------|--------------------|------------------|--------------------|------------------|--------------------|------------------|------------------|----|
| | | Sample Date: | | | 0-1 2/16/2009 | 1-2.5 2/16/2009 | 0-1 2/16/2009 | 1-2.5 2/16/2009 | 0-1 2/16/2009 | 1-2.5 2/16/2009 | 0-1 2/16/2009 | 1-2.5 2/16/2009 | 0-1 2/16/2009 | 1-2 2/16/2009 | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | |
| PAHs / Dibenzofuran (mg/kg) | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.231 | U | 0.186 | U | 0.232 | U | 0.191 | U |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.231 | U | 0.186 | U | 0.232 | U | 0.191 | U |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.231 | U | 0.186 | U | 0.232 | U | 0.191 | U |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.231 | U | 0.186 | U | 0.232 | U | 0.191 | U |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.430 | | 0.186 | U | 0.232 | U | 0.191 | U |
| | Benz(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.418 | | 0.186 | U | 0.232 | U | 0.191 | U |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.613 | | 0.186 | U | 0.232 | U | 0.191 | U |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.231 | U | 0.186 | U | 0.232 | U | 0.191 | U |
| | Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.231 | U | 0.186 | U | 0.232 | U | 0.191 | U |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.614 | | 0.186 | U | 0.232 | U | 0.191 | U |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.231 | U | 0.186 | U | 0.232 | U | 0.191 | U |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.815 | | 0.211 | | 0.232 | U | 0.191 | U |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.231 | U | 0.186 | U | 0.232 | U | 0.191 | U |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.236 | | 0.186 | U | 0.232 | U | 0.191 | U |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.231 | U | 0.186 | U | 0.232 | U | 0.191 | U |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.509 | | 0.186 | U | 0.232 | U | 0.191 | U |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.805 | | 0.259 | | 0.232 | U | 0.191 | U |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0640 | U | 0.0568 | U | 0.0616 | U | 0.0556 | U |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0640 | U | 0.0568 | U | 0.0616 | U | 0.0556 | U |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.0640 | U | 0.0568 | U | 0.0616 | U | 0.0556 | U |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.165 | | 0.033 | | 0.166 | | 0.213 | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 6.29 | | 3.55 | | 7.58 | | 4.30 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 43.0 | | 48.3 | | 23.6 | | 18.8 | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.44 | | 0.48 | | 0.38 | | 0.37 | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.35 | U | 0.28 | U | 0.35 | U | 0.39 | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 12.6 | | 7.14 | | 10.3 | | 7.13 | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 124 | | 25.2 | | 37.5 | | 18.9 | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 4.75 | | 4.00 | | 3.63 | | 3.07 | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | 6.92 | U | 5.58 | U | 6.96 | U | 5.71 | U |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 0.70 | U | 0.56 | U | 0.70 | U | 0.58 | U |
| | Thallium | 8 | 8 | 60 | 60 | 8 | N/A | 4.89 | | 6.11 | | 4.18 | | 4.47 | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 18.0 | | 11.9 | | 16.0 | | 11.7 | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | 93.6 | | 66.6 | | 30.3 | | 17.0 | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, TCLP | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ^{a,j} | NA | NA | NA | NA | NA | NA | NA | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/l - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

R - Rejected data point due to matrix spike recovery <30%.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1/TCLP standards as applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polycyclic Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TCLP - Toxicity Characteristic Leaching Procedure.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(a) - The sample was re-collected on 7/23/2008 for mercury analysis due to the limited volume of the original sample.

* - TRC developed Method 1 standards.

TABLE 4
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Junior Varsity Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Date: Sample Depth (ft.): | | | | | | WFF-8 | WFG-7 | WFG-8 | WFG-9 | | SB-234 | | SB-234-B | SB-234-C | SB-234-D | SB-235 | |
|--------------------------------------|------------------------|---|------------------|----------------------|--------------------|----------------------|------------------|----------------|--------------------|--------------------|--------------------|------------------|----------------|--------------------|--------------------|------------------|----------------|--------------|-------------|
| | | 2/23/2006 2-2.5 | 2/23/2006 1-3 | 2/23/2006 1.5-2.5 | 2/23/2006 0-0.5 | 2/23/2006 0.5-2.5 | 0.5 7/10/2008 | 2 7/10/2008 | 0-0.5 7/31/2008 | 0-0.5 7/31/2008 | 0-0.5 7/31/2008 | 0.5 7/10/2008 | 2 7/10/2008 | 0-0.5 7/31/2008 | 0-0.5 7/31/2008 | 0.5 7/10/2008 | 2 7/10/2008 | | |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | 0.049 | NA | NA | NA | NA | NA | NA | NA | | |
| PAHs / Dibenzofuran (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.500 | NA | 0.300 U | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | 0.176 U | 0.170 U | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.700 | NA | 0.300 U | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | 0.176 U | 0.170 U | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 1.50 | NA | 0.300 U | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | 0.176 U | 0.170 U | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 1.10 | NA | 0.300 U | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | 0.176 U | 0.170 U | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 1.10 | NA | 0.300 U | NA | 0.450 | 0.192 U | 0.203 U | NA | NA | 0.176 U | 0.170 U | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.570 | NA | 0.300 U | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | 0.176 U | 0.170 U | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.400 | NA | 0.300 U | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | 0.176 U | 0.170 U | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 1.50 | NA | 0.320 | NA | 0.360 | 0.192 U | 0.215 | NA | NA | 0.176 U | 0.170 U | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.500 | NA | 0.300 U | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | 0.176 U | 0.170 U | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 2.10 | NA | 0.300 U | NA | 0.600 | 0.192 U | 0.294 | NA | NA | 0.176 U | 0.170 U | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.280 U | NA | 0.300 U | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | 0.176 U | 0.170 U | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 2.10 | NA | 0.300 U | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | 0.176 U | 0.170 U | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 3.50 | NA | 0.300 U | NA | 0.560 | 0.216 | 0.429 | NA | NA | 0.176 U | 0.170 U | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | I | 0.029 U | 0.034 U | 0.030 U | 0.043 | 0.034 U | 0.0570 U | 0.0578 U | NA | NA | 0.0515 U | 0.0500 U | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | I | 0.029 U | 0.034 U | 0.030 U | 0.038 | 0.034 U | 0.108 J | 0.0578 U | NA | NA | 0.0515 U | 0.0500 U | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | I | 0.029 U | 0.034 U | 0.030 U | 0.081 | 0.034 U | 0.108 J | 0.0578 U | NA | NA | 0.0515 U | 0.0500 U | |
| Pesticides (mg/kg) | alpha-BHC | 0.1 | 0.1 | NS | NS | 50 | N/A | NA | NA | 0.012 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | 0.0085 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | 0.0038 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | 0.004 | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.538 | 6.93 | 0.139 | NA | 1.82 | 0.199 | 0.065 | NA | NA | 0.166 | 0.032 | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 16.7 | 83.2 U | 24.1 | NA | 20.9 | 42.1 | 11.9 | 3.88 | 7.86 | 9.32 | 7.07 | 3.08 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 505 | 333 U | 49 | NA | 774 | 32.5 | 221 | NA | NA | 26.7 | 16.0 | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | 0.29 U | 0.70 | NA | NA | 0.27 U | 0.32 | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.677 U | 38.4 | 0.728 U | NA | 1.57 | 0.82 | 0.31 U | NA | NA | 0.34 | 0.26 U | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 23.3 | 18.6 | 11.9 | NA | 33.1 | 19.9 | 9.69 | NA | NA | 13.9 | 5.71 | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 885 | 1,710 | 34.9 | NA | 1,160 | 56.9 | 152 | NA | NA | 47.5 | 6.65 | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | 8.10 | 12.4 | NA | NA | NA | 5.89 | 3.43 | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 1.90 U | 23.3 U | 2.04 U | NA | 2.26 U | 3.16 | 1.15 | NA | NA | 2.48 | 0.69 | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | 25.3 | 22.4 | NA | NA | NA | 20.3 | 8.82 | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | 33.7 | 63.0 | NA | NA | NA | 34.6 | 14.7 | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 180 | NA | NA | NA | NA | NA | NA | NA | NA | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1/TCLP standards as applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

TABLE 4
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Junior Varsity Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Date: Sample Depth (ft.): | | | | | | SB-236 | | SB-237 | | JV-1 | JV-2 | JV-3 | JV-4 | JV-7 | JV-8 | JV-11 | JV-13 |
|--------------------------------------|------------------------|---|----------|----------|----------|--------|------|------------------|----------------|------------------|----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0.5 7/10/2008 | 2 7/10/2008 | 0.5 7/10/2008 | 2 7/10/2008 | 0-0.5 11/17/2008 |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| PAHs / Dibenzofuran (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.174 U | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.174 U | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.448 | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.402 | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.504 | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.282 | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.174 U | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.482 | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.174 U | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.787 | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.317 | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 1.10 | 0.169 U | 0.177 U | 0.172 U | NA | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 1.05 | 0.169 U | 0.177 U | 0.172 U | NA | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0514 U | 0.0500 U | 0.0522 U | 0.0501 U | NA | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0555 J | 0.0500 U | 0.0522 U | 0.0501 U | NA | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.0555 J | 0.0500 U | 0.0522 U | 0.0501 U | NA | |
| Pesticides (mg/kg) | alpha-BHC | 0.1 | 0.1 | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.189 | 0.027 | 0.217 | 0.019 | NA | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 7.24 | 2.54 U | 2.75 | 2.93 | 6.02 | 8.30 | 6.26 | 9.06 | 11.6 | 4.52 | 7.02 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 31.8 | 14.2 | 50.0 | 19.2 | NA | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.26 U | 0.35 | 0.27 U | 0.42 | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.38 | 0.26 U | 0.56 | 0.26 U | NA | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 22.5 | 6.13 | 27.6 | 7.88 | NA | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 44.6 | 3.92 | 269 | 3.74 | NA | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 6.73 | 4.36 | 6.03 | 4.33 | NA | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 2.82 | 0.71 | 4.68 | 0.87 | NA | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 20.7 | 8.12 | 11.4 | 11.2 | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | 31.7 | 18.4 | 118 | 16.1 | NA | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

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PAHs - Polynuclear Aromatic Hydrocarbons.

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RC - Reportable Concentration.

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2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

TABLE 4
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Junior Varsity Field (WF-4)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | POST-6 0.5-0.67 11/19/2008 | POST-7 0.5-0.67 11/20/2008 | POST-8 0.5-0.67 11/20/2008 | POST-9 0.5-0.67 11/20/2008 | POST-10 0.5-0.67 11/20/2008 | | | | | | |
|--|------------------------|-------------------------------------|----------|----------|----------|--------|------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|----|--|--|--|--|--|
| | | Sample Date: Sample Depth (ft.): | | | | | | | | | | | | | | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| PAHs / Dibenzofuran (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | | | | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | | | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | | | | | |
| Pesticides (mg/kg) | alpha-BHC | 0.1 | 0.1 | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 56.8 | 63.6 | 8.72 | 104 | 238 | | | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | | | | | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | | | | | |

Notes:

All units in mg/kg unless otherwise specified.

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NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

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TABLE 5
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFA-2 | WFA-4 | | WFB-2 | WFC-2 | WFD-1 | WFD-2 | | WFD-3 | WFD-4 | |
|---|-------------------------|---------------------|----------|--------------|----------|--------------------|------------------|--------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------|
| | | Sample Depth (ft.): | | Sample Date: | | 2-2.5 2/23/2006 | 0-1 2/23/2006 | 1-2.5 2/23/2006 | 2-2.5 2/23/2006 | 1.25-2.5 2/23/2006 | 0-0.5 2/23/2006 | 0.75-2.5 2/23/2006 | 1-2.5 2/23/2006 | 0-0.5 2/23/2006 | 2-2.5 2/23/2006 | 0-0.5 2/23/2006 | 2-2.5 2/23/2006 | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | 0.36 | NA | NA | NA | NA | 0.65 | NA | NA | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | 0.550 U | NA | 0.059 | 0.059 U | 0.095 U | 0.084 | NA | 0.059 | 0.850 U | NA | 0.550 U |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.550 U | NA | 0.098 | 0.059 U | 0.095 U | 0.140 | NA | 0.078 | 0.850 U | NA | 0.550 U |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.670 | NA | 0.240 | 0.170 | 0.095 U | 0.230 | NA | 0.460 | 0.850 U | NA | 3.20 |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 2.0 | NA | 0.490 | 0.280 | 0.095 U | 0.410 | NA | 0.680 | 0.850 U | NA | 5.20 |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 3.20 | NA | 1.10 | 0.600 | 0.095 U | 0.940 | NA | 1.80 | 0.850 U | NA | 7.20 |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 3.0 | NA | 1.0 | 0.530 | 0.095 U | 0.970 | NA | 1.50 | 0.850 U | NA | 3.90 |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 2.0 | NA | 0.790 | 0.340 | 0.095 U | 0.820 | NA | 1.20 | 0.850 U | NA | 2.40 |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 1.20 | NA | 0.400 | 0.240 | 0.095 U | 0.490 | NA | 0.600 | 0.850 U | NA | 0.910 |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 3.80 | NA | 1.10 | 0.590 | 0.095 U | 0.830 | NA | 1.70 | 0.850 U | NA | 3.70 |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 2.60 | NA | 0.930 | 0.510 | 0.095 U | 0.920 | NA | 1.10 | 0.850 U | NA | 5.50 |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.570 | NA | 0.200 | 0.100 | 0.095 U | 0.230 | NA | 0.290 | 0.850 U | NA | 0.830 |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 7.0 | NA | 1.90 | 0.970 | 0.096 | 1.90 | NA | 2.70 | 1.50 | NA | 7.90 |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.550 U | NA | 0.120 | 0.059 U | 0.095 U | 0.150 | NA | 0.120 | 0.850 U | NA | 0.550 U |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 1.10 | NA | 0.350 | 0.190 | 0.095 U | 0.440 | NA | 0.540 | 0.850 U | NA | 0.920 |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.550 U | NA | 0.056 U | 0.059 U | 0.095 U | 0.067 | NA | 0.071 | 0.850 U | NA | 0.550 U |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 6.0 | NA | 1.40 | 0.520 | 0.095 U | 1.60 | NA | 1.80 | 1.10 | NA | 6.20 |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 7.60 | NA | 2.20 | 1.50 | 0.140 | 2.0 | NA | 3.20 | 1.0 | NA | 16.0 |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.13 | 0.1 U | 0.1 U | 0.12 U | 0.18 U | 0.1 U | 0.11 U | 0.11 U | 0.17 U | 0.12 U | 0.11 U |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.13 | 0.2 U | 0.2 U | 0.24 U | 0.37 U | 0.2 U | 0.22 U | 0.22 U | 0.34 U | 0.23 U | 0.21 U |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.064 U | NA | 0.259 | 0.251 | 1.31 | 0.231 | NA | 0.187 | 0.737 | NA | 0.077 |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 2.10 | NA | 4.94 | 6.97 | 26 | 5.11 | NA | 2.66 | 5.95 | NA | 1.65 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 30 | NA | 271 | 436 | 1,060 | 91 | NA | 182 | 237 | NA | 21 |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.32 | NA | 0.72 | 0.74 | 5.61 | 0.47 | NA | 0.40 | 1.27 | NA | 0.41 |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 7.26 | NA | 7.31 | 9.94 | 62 | 8.60 | NA | 8.52 | 56 | NA | 4.81 |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 90 | NA | 319 | 2,340 | 4,590 | 184 | NA | 294 | 882 | NA | 24 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | 0.64 U | NA | 0.72 U | 0.74 U | 2.03 | 0.77 U | NA | 0.67 U | 1.06 U | NA | 0.69 U |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 0.32 U | NA | 0.36 U | 0.37 U | 7.40 | 0.39 U | NA | 0.33 U | 0.53 U | NA | 0.34 U |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 112 | NA | NA | 73 | NA | NA | 984 | NA | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 5.3 | NA | NA | NA | NA | NA | 7.7 U | NA | NA |

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TABLE 5
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-252 | SB-252-B | SB-252-C | SB-252-D | SB-253 | SB-253-B | SB-253-C | SB-253-E | SB-254 | | SB-255 | | |
|-------------------------------------|-------------------------|---------------------|----------|----------|-----------|-----------|-----------|-----------|-------------|------------|------------|-----------|-------------|-------------|-----------|-----------------|--------------|----------------|--------|--------|
| | | Sample Depth (ft.): | | | 2 | 0-0.5 | 0-0.5 | 0-0.5 | 2 | 0-0.5 | 0-0.5 | 0-0.5 | 0.5 | 2 | 0.5 | 2 | 0.5 | 2 | | |
| | | Sample Date: | | | 7/15/2008 | 7/31/2008 | 7/31/2008 | 7/31/2008 | 7/15/2008 | 7/31/2008 | 7/31/2008 | 7/31/2008 | 7/15/2008 | 7/15/2008 | 7/15/2008 | 7/15/2008 | 7/15/2008 | 7/15/2008 | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.191 U | NA | NA | 0.193 U | NA | NA | NA | 0.180 U | 0.259 | 0.183 U | 0.177 U | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.191 U | NA | NA | 0.193 U | NA | NA | NA | 0.180 U | 0.510 | 0.183 U | 0.177 U | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.191 U | NA | NA | 0.193 U | NA | NA | NA | 0.180 U | 0.995 | 0.183 U | 0.177 U | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.191 U | NA | NA | 0.232 | NA | NA | NA | 0.654 | 3.30 | 0.325 | 0.480 | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.191 U | NA | NA | 0.242 | NA | NA | NA | 0.667 | 2.98 | 0.349 | 0.510 | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.191 U | NA | NA | 0.261 | NA | NA | NA | 0.870 | 3.48 | 0.411 | 0.540 | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.191 U | NA | NA | 0.217 | NA | NA | NA | 0.778 | 2.76 | 0.294 | 0.409 | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.191 U | NA | NA | 0.193 U | NA | NA | NA | 0.270 | 1.29 | 0.183 U | 0.197 | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.191 U | NA | NA | 0.228 | NA | NA | NA | 0.738 | 3.56 | 0.355 | 0.504 | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.191 U | NA | NA | 0.193 U | NA | NA | NA | 0.360 U | 0.711 | 0.366 U | 0.177 U | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.191 U | NA | NA | 0.403 | NA | NA | NA | 1.08 | 4.37 | 0.599 | 0.714 | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.191 U | NA | NA | 0.193 U | NA | NA | NA | 0.180 U | 0.395 | 0.183 U | 0.177 U | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.191 U | NA | NA | 0.230 | NA | NA | NA | 0.762 | 3.12 | 0.312 | 0.469 | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.191 U | NA | NA | 0.193 U | NA | NA | NA | 0.180 U | 0.246 | 0.183 U | 0.177 U | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.191 U | NA | NA | 0.234 | NA | NA | NA | 0.820 | 3.77 | 0.344 | 0.453 | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.191 U | NA | NA | 0.480 | NA | NA | NA | 1.63 | 5.07 | 0.608 | 0.990 | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0556 U | NA | NA | 0.0538 U | NA | NA | NA | 0.0524 U | 0.0501 U | 0.0506 U | 0.126 J | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.0556 U | NA | NA | 0.0538 U | NA | NA | NA | 0.0524 U | 0.0501 U | 0.0506 U | 0.126 J | | |
| Metals, total | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.117 | NA | NA | NA | 0.354 | NA | NA | NA | 0.295 | 0.730 | 0.238 | 0.198 | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 7.82 | 69.9 | 116 | 157 | 14.0 | 66.5 | 48.8 | 18.9 | 11.0 | 8.98 | 7.41 | 5.41 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 24.3 | NA | NA | NA | 26.3 | NA | NA | NA | 34.3 | 98.9 | 40.3 | 366 | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.47 | NA | NA | NA | 0.39 | NA | NA | NA | 0.27 U | 0.27 U | 0.28 U | 0.42 | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.29 | U | NA | NA | 0.29 | U | NA | NA | 0.27 U | 0.27 U | 0.40 | 0.51 | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 8.18 | NA | NA | NA | 9.72 | NA | NA | NA | 8.70 | 14.0 | 10.4 | 7.60 | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 23.5 | NA | NA | NA | 41.0 | NA | NA | NA | 109 | 532 | 79.6 | 131 | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 3.76 | NA | NA | NA | 3.95 | NA | NA | NA | 5.29 | 6.37 | 5.08 | 5.27 | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | 5.71 | U | NA | NA | 5.78 | U | NA | NA | 5.39 | U | 5.25 U | 5.48 U | 5.30 U |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 1.15 | NA | NA | NA | 1.45 | NA | NA | NA | 2.89 | 4.31 | 2.70 | 1.31 | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 14.6 | NA | NA | NA | 16.5 | NA | NA | NA | 17.6 | 13.0 | 16.8 | 14.8 | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | 20.4 | NA | NA | NA | 22.1 | NA | NA | NA | 33.6 | 24.7 | 52.2 | 118 | |
| Total Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method I standards or TCLP standard, as applicable.

PAHs - Polynuclear

TABLE 5
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-268 | SB-269 | WF-1 | WF-2 | WF-3 | WF-4 | WF-5 | WF-6 | WF-7 | WF-8 | WF-9 | WF-10 |
|--------------------------------------|-------------------------|---------------------|----------|----------|-----------|-----------|-----------|---------------|--------------------|--------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|
| | | Sample Depth (ft.): | | | 1 | 1 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 |
| | | Sample Date: | | | 7/15/2008 | 7/15/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 combo | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.187 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.187 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.187 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.187 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.187 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.187 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.373 | U | 0.342 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.187 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.187 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.373 | U | 0.342 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.324 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.187 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.373 | U | 0.342 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.187 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.259 | U | 0.171 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.320 | U | 0.192 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0727 | J | 0.0507 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.0727 | J | 0.0507 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.183 | U | 0.222 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 5.53 | U | 6.51 | U | 7.84 | U | 14.4 | U | 12.0 | U | 25.0 | U |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 21.5 | U | 25.0 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.28 | U | 0.26 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.28 | U | 0.29 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 7.97 | U | 8.12 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 39.0 | U | 43.8 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 4.51 | U | 5.14 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | 5.59 | U | 5.13 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 2.52 | U | 2.99 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 14.9 | U | 15.3 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | 43.1 | U | 32.9 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as applicable.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

TABLE 5
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WF-11 | WF-12 | WF-13 | WF-14 | WF-15 | WF-16 | WF-17 | WF-18 | POST-1 | POST-2 | POST-3 | POST-4 |
|--------------------------------------|-------------------------|---------------------|----------|----------|----------|--------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|
| | | Sample Depth (ft.): | | | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0.5-0.67 | 0.5-0.67 | 0.5-0.67 | 0.5-0.67 |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 9/30/2008 | 11/18/2008 | 11/18/2008 | 11/18/2008 | 11/18/2008 |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 7.86 | 6.53 | 7.25 | 9.51 | 6.27 | 5.46 | 5.75 | 6.05 | 220 | 272 | 1,040 | 43.5 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | NA | NA | NA |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as applicable.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

TABLE 5
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

Notes

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

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Values shown in Bold and shaded type exceed one or more

PAHs - Polynuclear Aromatic Hydrocarbons.

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RC = Reportable Concentration

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Data are based on the "Summary of Analytics."

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TABLE 5
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Varsity Baseball Field (WF-5)
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WTR-SS-11 | WTR-SS-12 | WTR-SS-13 | WTR-SS-14 | WTR-SS-15 | WTR-SS-16 | NAP-SS-01 | NAP-SS-02 | NAP-SS-03 | NAP-SS-04 |
|--|-------------------------|---------------------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | Sample Depth (ft.): | | | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | 0-0.5 | |
| | | Sample Date: | | | 3/19/2009 | 3/19/2009 | 3/19/2009 | 3/19/2009 | 3/19/2009 | 3/19/2009 | 3/19/2009 | 3/19/2009 | 3/19/2009 | 3/19/2009 | 3/19/2009 | 3/19/2009 | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | 0.013 U | 0.012 U | 0.014 U | 0.012 U | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | 0.41 U | 0.40 U | 0.40 U | 0.41 U | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.173 U | 0.206 U | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.173 U | 0.206 U | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.173 U | 0.406 | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.252 | 0.200 U | 0.203 U |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.173 U | 0.913 | 0.178 U | 0.279 | 0.195 U | 0.177 U | 0.205 U | 0.445 | 0.200 U | 0.203 U |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.173 U | 0.818 | 0.178 U | 0.296 | 0.195 U | 0.177 U | 0.205 U | 0.356 | 0.200 U | 0.203 U |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.173 U | 0.920 | 0.178 U | 0.336 | 0.195 U | 0.177 U | 0.205 U | 0.400 | 0.200 U | 0.203 U |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.173 U | 0.474 | 0.178 U | 0.191 | 0.195 U | 0.177 U | 0.205 U | 0.239 | 0.200 U | 0.203 U |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.173 U | 0.365 | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.173 U | 0.945 | 0.178 U | 0.310 | 0.195 U | 0.177 U | 0.205 U | 0.460 | 0.200 U | 0.203 U |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.173 U | 0.206 U | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.173 U | 1.39 | 0.178 U | 0.421 | 0.195 U | 0.177 U | 0.205 U | 0.755 | 0.200 U | 0.203 U |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.173 U | 0.206 U | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.173 U | 0.650 | 0.178 U | 0.235 | 0.195 U | 0.177 U | 0.205 U | 0.292 | 0.200 U | 0.203 U |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.173 U | 0.206 U | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.173 U | 1.88 | 0.178 U | 0.308 | 0.195 U | 0.177 U | 0.205 U | 1.02 | 0.200 U | 0.203 U |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.173 U | 1.87 | 0.178 U | 0.612 | 0.195 U | 0.209 | 0.41 U | 0.40 U | 0.40 U | 0.41 U |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | 0.123 U | 0.119 U | 0.120 U | 0.122 U |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | 0.123 U | 0.119 U | 0.120 U | 0.122 U |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.014 U | 0.172 | 0.034 | 0.114 | 0.057 | 0.026 | 0.102 | 0.162 | 0.138 | 0.154 |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 3.44 | 5.47 | 4.16 | 10.1 | 59.3 | 6.60 | 5.49 | 7.34 | 4.80 | 6.51 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 112 | 29.4 | 108 | 80.8 | 54.5 | 35.6 | NA | NA | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.26 U | 0.31 U | 0.27 U | 0.28 U | 0.30 U | 0.27 U | NA | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.26 U | 0.31 U | 0.27 U | 0.29 | 0.29 | 0.27 U | 0.32 | 0.30 U | 0.30 U | 0.31 U |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 71.4 | 9.55 | 48.9 | 33.6 | 18.2 | 15.0 | 12.7 | 11.9 | 8.18 | 9.58 |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 4.58 | 55.7 | 10.9 | 82.8 | 36.5 | 19.3 | 73.5 | 99.7 | 123 | 52.9 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 33.7 | 4.66 | 23.3 | 17.1 | 9.69 | 8.77 | NA | NA | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | 5.19 U | 6.16 U | 5.34 U | 5.60 U | 5.84 U | 5.31 U | NA | NA | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 0.52 U | 0.62 U | 0.54 U | 0.56 U | 0.59 U | 0.54 U | NA | NA | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 32.7 | 15.7 | 33.5 | 21.8 | 20.0 | 17.1 | NA | NA | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | 38.0 | 36.5 | 36.8 | 82.9 | 29.9 | 31.1 | NA | NA | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 24 | 22 | 35 | 51 |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as applicable.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

TABLE 6
Baseline Analytical Results for Soil Samples - 2006, 2008 and 2009
Walsh Field - Hot Spot WFB-4
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | WFB-4 1-2.5 2/23/2006 |
|---|---|---|---|--|---|
| | | Sample Date: | Sample Depth (ft.) | Background | |
| VOCs (mg/kg) | Bromomethane Methylene chloride | 0.5 20 | 30 200 | NA NA | 0.45 U 0.035 |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran 2-Methylnaphthalene Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Benzo(g,h,i)perylene Benz(k)fluoranthene Chrysene Dibenz(a,h)anthracene Fluoranthene Fluorene Indeno(1,2,3-cd)pyrene Phenanthrene Pyrene | 10 80 1,000 600 1,000 7 2 7 1,000 70 70 0.7 1,000 1,000 7 500 1,000 | 10 300 1,000 10 1,000 7 2 7 1,000 70 70 0.7 1,000 1,000 7 500 1,000 | NA 0.5 0.5 0.5 1 2 2 2 1 1 2 0.5 4 1 1 3 4 | 28.0 7.40 16.0 47.0 100 160 95.0 76.0 27.0 110 170 17.0 310 50.0 28.0 430 330 |
| Metals (mg/kg) | Arsenic Barium Chromium Lead | 20 1,000 30 300 | 20 1,000 30 300 | 20 50 30 100 | 1.21 36 4.17 58 |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics Gasoline Range Organics | 1,000 1,000 | 1,000 1,000 | NA NA | 6,063 5.4 |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration

Values shown in **Bold** and shaded type exceed background and one or more of the listed Method 1 standards.

Boxed maxima exceed natural soil background.

TABLE 7
Summary Statistics of Baseline Soil Samples - Football Field (WF-1)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | | | | # of Samples | # of Detects | Freq. of Detects | Min. of Detects (mg/kg) | Max. of Detects (mg/kg) | Location of Max. Detected | Min. of Non-Detects (mg/kg) | Max. of Non-Detects (mg/kg) | Mean Concentration (mg/kg) | EPC (mg/kg) | EPC Rationale |
|-------------------------------------|-------------------------|----------|----------|------------|--------------|--------------|------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|-------------|------------------|
| | | S-1/GW-2 | S-1/GW-3 | Background | | | | | | | | | | | |
| VOCs | Bromomethane | 0.5 | 30 | NA | 3 | 1 | 33.3% | 0.4 | 0.4 | WFC-13 | 0.062 | 0.071 | 1.6E-01 | 1.6E-01 | Mean |
| | Methylene chloride | 20 | 200 | NA | 3 | 1 | 33.3% | 0.046 | 0.046 | WFC-13 | 0.062 | 0.071 | 3.7E-02 | 3.7E-02 | Mean |
| PAHs / Dibenzofuran | Dibenzofuran | 10 | 10 | NA | 4 | 2 | 50.0% | 0.08 | 2.1 | WFD-13 | 0.065 | 0.069 | 5.6E-01 | 5.6E-01 | Mean |
| | 2-Methylnaphthalene | 80 | 300 | 0.5 | 27 | 1 | 3.7% | 0.89 | 0.89 | WFD-13 | 0.062 | 0.37 | 1.4E-01 | 1.4E-01 | Mean |
| | Acenaphthene | 1,000 | 1,000 | 0.5 | 27 | 2 | 7.4% | 0.19 | 3.2 | WFD-13 | 0.065 | 0.37 | 2.3E-01 | 2.3E-01 | Mean |
| | Acenaphthylene | 600 | 10 | 0.5 | 27 | 5 | 18.5% | 0.1 | 0.68 | WFF-13 | 0.065 | 0.37 | 1.7E-01 | 1.7E-01 | Mean |
| | Anthracene | 1,000 | 1,000 | 1 | 27 | 6 | 22.2% | 0.37 | 4.8 | WFD-13 | 0.065 | 0.37 | 3.6E-01 | 3.6E-01 | Mean |
| | Benzo(a)anthracene | 7 | 7 | 2 | 27 | 16 | 59.3% | 0.202 | 6.5 | WFD-13 | 0.065 | 0.31 | 7.6E-01 | 7.6E-01 | Mean |
| | Benzo(a)pyrene | 2 | 2 | 2 | 27 | 15 | 55.6% | 0.204 | 6.4 | WFD-13 | 0.065 | 0.31 | 7.3E-01 | 7.3E-01 | Mean |
| | Benzo(b)fluoranthene | 7 | 7 | 2 | 27 | 18 | 66.7% | 0.233 | 5.8 | WFD-13 | 0.065 | 0.31 | 7.6E-01 | 7.6E-01 | Mean |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 1 | 27 | 11 | 40.7% | 0.193 | 2.3 | WFF-11 | 0.065 | 0.31 | 4.1E-01 | 4.1E-01 | Mean |
| | Benzo(k)fluoranthene | 70 | 70 | 1 | 27 | 6 | 22.2% | 0.35 | 6.4 | WFD-13 | 0.065 | 0.37 | 5.6E-01 | 5.6E-01 | Mean |
| | Chrysene | 70 | 70 | 2 | 27 | 17 | 63.0% | 0.215 | 5.5 | WFD-13 | 0.065 | 0.31 | 7.4E-01 | 7.4E-01 | Mean |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 0.5 | 27 | 9 | 33.3% | 0.28 | 2 | WFF-11 | 0.065 | 0.31 | 3.0E-01 | 3.0E-01 | Mean |
| | Fluoranthene | 1,000 | 1,000 | 4 | 27 | 19 | 70.4% | 0.228 | 18 | WFD-13 | 0.065 | 0.31 | 1.6E+00 | 1.6E+00 | Mean |
| | Fluorene | 1,000 | 1,000 | 1 | 27 | 3 | 11.1% | 0.16 | 2.9 | WFD-13 | 0.065 | 0.37 | 2.3E-01 | 2.3E-01 | Mean |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 1 | 27 | 6 | 22.2% | 0.219 | 2.1 | WFD-13 | 0.065 | 0.37 | 2.6E-01 | 2.6E-01 | Mean |
| | Naphthalene | 40 | 500 | 0.5 | 27 | 1 | 3.7% | 1.9 | 1.9 | WFD-13 | 0.062 | 0.37 | 1.8E-01 | 1.8E-01 | Mean |
| | Phenanthrene | 500 | 500 | 3 | 27 | 15 | 55.6% | 0.23 | 19 | WFD-13 | 0.065 | 0.31 | 1.3E+00 | 1.3E+00 | Mean |
| | Pyrene | 1,000 | 1,000 | 4 | 27 | 21 | 77.8% | 0.067 | 17 | WFD-13 | 0.191 | 0.31 | 1.6E+00 | 1.6E+00 | Mean |
| PCBs | Total PCBs | 2 | 2 | NA | 33 | 3 | 9.1% | 0.04 | 0.185 | WFF-11 | 0.025 | 0.27 | 5.0E-02 | 5.0E-02 | Mean |
| Pesticides | | | | | | | | | | | | | | | |
| | 4,4'-DDE | 3 | 3 | NA | 3 | 1 | 33.3% | 0.019 | 0.019 | WFA-12 | 0.0016 | 0.01 | 8.3E-03 | 8.3E-03 | Mean |
| | 4,4'-DDT | 3 | 3 | NA | 3 | 1 | 33.3% | 0.0062 | 0.0062 | WFA-12 | 0.0016 | 0.01 | 4.0E-03 | 4.0E-03 | Mean |
| | Endosulfan sulfate | 200 | 20 | NA | 3 | 1 | 33.3% | 0.0047 | 0.0047 | WFE-11 | 0.0019 | 0.01 | 3.5E-03 | 3.5E-03 | Mean |
| Metals, total | | | | | | | | | | | | | | | |
| | Mercury | 20 | 20 | 0.3 | 27 | 27 | 100.0% | 0.062 | 1.65 | WFE-11 | -- | -- | 4.2E-01 | 4.2E-01 | Mean |
| | Arsenic | 20 | 20 | 20 | 27 | 17 | 63.0% | 1.02 | 55.6 | WFE-11 | 2.93 | 67.2 | 8.6E+00 | 8.6E+00 | Mean |
| | Barium | 1,000 | 1,000 | 50 | 27 | 27 | 100.0% | 21 | 436 | WFA-12 | -- | -- | 1.0E+02 | 1.0E+02 | Mean |
| | Beryllium | 100 | 100 | 0.4 | 14 | 3 | 21.4% | 0.32 | 0.48 | SB-352 | 0.29 | 0.36 | 2.1E-01 | 2.1E-01 | Mean |
| | Cadmium | 2 | 2 | 2 | 27 | 15 | 55.6% | 0.33 | 0.99 | WFC-13 | 0.28 | 6.72 | 5.3E-01 | NA | Below background |
| | Chromium | 30 | 30 | 30 | 27 | 27 | 100.0% | 5.6 | 42.1 | WFE-11 | -- | -- | 1.9E+01 | 1.9E+01 | Mean |
| | Lead | 300 | 300 | 100 | 27 | 27 | 100.0% | 19.6 | 2390 | WFC-13 | -- | -- | 3.9E+02 | 7.3E+02 | 95% H-UCL |
| | Nickel | 20 | 20 | 20 | 14 | 14 | 100.0% | 3.9 | 6.87 | SB-244 | -- | -- | 5.3E+00 | NA | Below background |
| | Selenium | 400 | 400 | 0.5 | 27 | 2 | 7.4% | 0.99 | 15.4 | WFE-11 | 0.55 | 161 | 7.6E+00 | 7.6E+00 | Mean |
| | Silver | 100 | 100 | 0.6 | 27 | 10 | 37.0% | 1.4 | 3.45 | SB-247 | 0.275 | 18.8 | 1.7E+00 | 1.7E+00 | Mean |
| | Thallium | 8 | 8 | 0.6 | 14 | 3 | 21.4% | 4.37 | 6.43 | SB-351 | 3.26 | 4.15 | 2.6E+00 | 2.6E+00 | Mean |
| | Vanadium | 600 | 600 | 30 | 14 | 14 | 100.0% | 12 | 23 | SB-251 | -- | -- | 1.8E+01 | NA | Below background |
| | Zinc | 2,500 | 2,500 | 100 | 14 | 14 | 100.0% | 27.4 | 85.9 | SB-244 | -- | -- | 4.5E+01 | NA | Below background |
| Total Petroleum Hydrocarbons | Diesel Range Organics | 1,000 | 1,000 | NA | 3 | 3 | 100.0% | 57 | 120 | WFA-12 | -- | -- | 9.3E+01 | 9.3E+01 | Mean |
| | Gasoline Range Organics | 1,000 | 1,000 | NA | 3 | 1 | 33.3% | 5.3 | 5.3 | WFC-13 | 3.1 | 3.6 | 2.9E+00 | 2.9E+00 | Mean |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available or not applicable.

VOCS - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated biphenyls.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration.

Values shown in **Bold** and shaded type exceed background and one or more of the listed Method 1 standards.

Boxed maxima exceed natural soil background.

TABLE 8
Summary Statistics of Baseline Soil Samples - Soccer Field (WF-2)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | | | | # of Samples | # of Detects | Freq. of Detects | Min. of Detects (mg/kg) | Max. of Detects (mg/kg) | Location of Max. Detected | Min. of Non-Detects (mg/kg) | Max. of Non-Detects (mg/kg) | Mean Concentration (mg/kg) | EPC (mg/kg) | EPC Rationale |
|-------------------------------------|-------------------------|----------|----------|------------|--------------|--------------|------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|-------------|------------------------------|
| | | S-1/GW-2 | S-1/GW-3 | Background | | | | | | | | | | | |
| VOCs | Bromomethane | 0.5 | 30 | NA | 2 | 1 | 50.0% | 0.48 | 0.48 | WFE-5 | 0.11 | 0.11 | 2.7E-01 | 2.7E-01 | Mean |
| PAHs / Dibenzofuran | Dibenzofuran | 10 | 10 | NA | 6 | 3 | 50.0% | 0.13 | 4.4 | WFF-5 | 0.056 | 0.065 | 8.1E-01 | 8.1E-01 | Mean |
| | 2-Methylnaphthalene | 80 | 300 | 0.5 | 15 | 3 | 20.0% | 0.077 | 1.6 | WFF-5 | 0.056 | 0.27 | 1.9E-01 | 1.9E-01 | Mean |
| | Acenaphthene | 1,000 | 1,000 | 0.5 | 15 | 3 | 20.0% | 0.22 | 1.9 | WFF-5 | 0.056 | 0.27 | 2.3E-01 | 2.3E-01 | Mean |
| | Acenaphthylene | 600 | 10 | 0.5 | 15 | 4 | 26.7% | 0.56 | 5.5 | WFF-5 | 0.056 | 0.198 | 5.8E-01 | 5.8E-01 | Mean |
| | Anthracene | 1,000 | 1,000 | 1.0 | 15 | 5 | 33.3% | 0.083 | 10 | WFF-5 | 0.056 | 0.198 | 1.0E+00 | 1.0E+00 | Mean |
| | Benzo(a)anthracene | 7 | 7 | 2.0 | 15 | 8 | 53.3% | 0.11 | 14 | WFF-5 | 0.178 | 0.198 | 1.7E+00 | 1.7E+00 | Mean |
| | Benzo(a)pyrene | 2 | 2 | 2.0 | 15 | 8 | 53.3% | 0.13 | 11 | WFF-5 | 0.178 | 0.198 | 1.4E+00 | 4.7E+00 | 95% Chebyshev (Mean, Sd) UCL |
| | Benzo(b)fluoranthene | 7 | 7 | 2.0 | 15 | 8 | 53.3% | 0.089 | 8.1 | WFF-5 | 0.178 | 0.198 | 1.2E+00 | 1.2E+00 | Mean |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 1.0 | 15 | 8 | 53.3% | 0.077 | 3.7 | WFF-5 | 0.178 | 0.198 | 6.5E-01 | 6.5E-01 | Mean |
| | Benzo(k)fluoranthene | 70 | 70 | 1.0 | 15 | 7 | 46.7% | 0.14 | 9.3 | WFF-5 | 0.178 | 0.198 | 1.1E+00 | 1.1E+00 | Mean |
| | Chrysene | 70 | 70 | 2.0 | 15 | 8 | 53.3% | 0.1 | 9.2 | WFF-5 | 0.178 | 0.198 | 1.3E+00 | 1.3E+00 | Mean |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 0.5 | 15 | 4 | 26.7% | 0.65 | 1.9 | WFE-6 | 0.056 | 0.198 | 3.7E-01 | 3.7E-01 | Mean |
| | Fluoranthene | 1,000 | 1,000 | 4.0 | 15 | 8 | 53.3% | 0.197 | 36 | WFF-5 | 0.178 | 0.198 | 3.7E+00 | 3.7E+00 | Mean |
| | Fluorene | 1,000 | 1,000 | 1.0 | 15 | 4 | 26.7% | 0.3 | 5.1 | WFF-5 | 0.056 | 0.198 | 4.7E-01 | 4.7E-01 | Mean |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 1.0 | 15 | 5 | 33.3% | 0.072 | 4 | WFF-5 | 0.062 | 0.198 | 5.3E-01 | 5.3E-01 | Mean |
| | Naphthalene | 40 | 500 | 0.5 | 15 | 3 | 20.0% | 0.15 | 1.8 | WFF-5 | 0.056 | 0.27 | 2.1E-01 | 2.1E-01 | Mean |
| | Phenanthrene | 500 | 500 | 3.0 | 15 | 7 | 46.7% | 0.097 | 39 | WFF-5 | 0.178 | 0.198 | 3.7E+00 | 3.7E+00 | Mean |
| | Pyrene | 1,000 | 1,000 | 4.0 | 15 | 9 | 60.0% | 0.16775 | 27 | WFF-5 | 0.178 | 0.198 | 3.3E+00 | 3.3E+00 | Mean |
| Metals, total | Mercury | 20 | 20 | 0.3 | 15 | 14 | 93.3% | 0.043 | 0.581 | WFE-1 | 0.068 | 0.068 | 1.4E-01 | 1.4E-01 | Mean |
| | Arsenic | 20 | 20 | 20 | 15 | 11 | 73.3% | 2,1375 | 11.38 | WFE-6 | 2.66 | 2.96 | 4.8E+00 | NA | Below background |
| | Barium | 1,000 | 1,000 | 50 | 15 | 15 | 100.0% | 14.5 | 490 | WFE-4 | -- | -- | 1.2E+02 | 1.2E+02 | Mean |
| | Cadmium | 2 | 2 | 2.0 | 15 | 9 | 60.0% | 0.27 | 61 | WFE-5 | 0.28 | 0.715 | 4.4E+00 | 2.2E+01 | 95% Chebyshev (Mean, Sd) UCL |
| | Chromium | 30 | 30 | 30 | 15 | 15 | 100.0% | 5.14 | 41.3 | SB-358 | -- | -- | 1.3E+01 | 1.3E+01 | Mean |
| | Lead | 300 | 300 | 100 | 15 | 15 | 100.0% | 13.8 | 735.5 | WFE-1 | -- | -- | 2.0E+02 | 4.7E+02 | 95% Chebyshev (Mean, Sd) UCL |
| | Nickel | 20 | 20 | 20 | 8 | 8 | 100.0% | 4.12 | 17.2 | SB-358 | -- | -- | 6.8E+00 | NA | Below background |
| | Silver | 100 | 100 | 0.6 | 15 | 6 | 40.0% | 2.62 | 3.69 | SB-238 | 0.34 | 2.005 | 1.4E+00 | 1.4E+00 | Mean |
| | Vanadium | 600 | 600 | 30 | 8 | 8 | 100.0% | 13 | 41.1 | SB-358 | -- | -- | 1.8E+01 | 1.8E+01 | Mean |
| | Zinc | 2,500 | 2,500 | 100 | 8 | 8 | 100.0% | 16.9 | 45.7 | SB-358 | -- | -- | 2.4E+01 | NA | Below background |
| Total Petroleum Hydrocarbons | Diesel Range Organics | 1,000 | 1,000 | NA | 2 | 2 | 100.0% | 45 | 290 | WFE-6 | -- | -- | 1.7E+02 | 1.7E+02 | Mean |
| | Gasoline Range Organics | 1,000 | 1,000 | NA | 2 | 1 | 50.0% | 9.9 | 9.9 | WFE-5 | 5.7 | 5.7 | 6.4E+00 | 6.4E+00 | Mean |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available or not applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration

Values shown in Bold and shaded type exceed background and one or more of the listed Method 1 standards.

Boxed maxima exceed natural soil background.

TABLE 9
Summary Statistics of Baseline Soil Samples - Practice Area (WF-3)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | | | | # of Samples | # of Detects | Freq. of Detects | Min. of Detects (mg/kg) | Max. of Detects (mg/kg) | Location of Max. Detected | Min. of Non-Detects (mg/kg) | Max. of Non-Detects (mg/kg) | Mean Concentration (mg/kg) | EPC (mg/kg) | EPC Rationale |
|-------------------------------------|------------------------|----------|----------|------------|--------------|--------------|------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|-------------|-----------------------------|
| | | S-1/GW-2 | S-1/GW-3 | Background | | | | | | | | | | | |
| PAHs | 2-Methylnaphthalene | 80 | 300 | 0.5 | 34 | 1 | 2.9% | 1.16 | 1.16 | SB-233 | 0.172 | 0.868 | 1.7E-01 | 1.7E-01 | Mean |
| | Acenaphthene | 1,000 | 1,000 | 0.5 | 34 | 3 | 8.8% | 0.222 | 3.24 | SB-233 | 0.172 | 0.71 | 2.8E-01 | 2.8E-01 | Mean |
| | Acenaphthylene | 600 | 10 | 0.5 | 34 | 3 | 8.8% | 0.31 | 0.77 | WFB-7 | 0.172 | 0.995 | 1.9E-01 | 1.9E-01 | Mean |
| | Anthracene | 1,000 | 1,000 | 1 | 34 | 7 | 20.6% | 0.334 | 4.93 | SB-233 | 0.172 | 0.71 | 4.3E-01 | 4.3E-01 | Mean |
| | Benzo(a)anthracene | 7 | 7 | 2 | 34 | 17 | 50.0% | 0.31 | 7.53 | SB-233 | 0.173 | 0.71 | 8.1E-01 | 8.1E-01 | Mean |
| | Benzo(a)pyrene | 2 | 2 | 2 | 34 | 17 | 50.0% | 0.3 | 5.48 | SB-233 | 0.173 | 0.71 | 6.8E-01 | 6.8E-01 | Mean |
| | Benzo(b)fluoranthene | 7 | 7 | 2 | 34 | 18 | 52.9% | 0.246 | 6.6 | SB-233 | 0.173 | 0.71 | 8.5E-01 | 8.5E-01 | Mean |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 1 | 34 | 13 | 38.2% | 0.257 | 2.8 | SB-226 | 0.173 | 0.71 | 4.4E-01 | 4.4E-01 | Mean |
| | Benzo(k)fluoranthene | 70 | 70 | 1 | 34 | 9 | 26.5% | 0.192 | 2.49 | SB-233 | 0.173 | 0.71 | 3.4E-01 | 3.4E-01 | Mean |
| | Chrysene | 70 | 70 | 2 | 34 | 17 | 50.0% | 0.35 | 7.35 | SB-233 | 0.173 | 0.71 | 8.7E-01 | 8.7E-01 | Mean |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 0.5 | 34 | 6 | 17.6% | 0.34 | 1.6 | WFB-7 | 0.172 | 0.995 | 2.5E-01 | 2.5E-01 | Mean |
| | Fluoranthene | 1,000 | 1,000 | 4 | 34 | 20 | 58.8% | 0.189 | 13.4 | SB-233 | 0.173 | 0.71 | 1.4E+00 | 1.4E+00 | Mean |
| | Fluorene | 1,000 | 1,000 | 1 | 34 | 3 | 8.8% | 0.183 | 3.5 | SB-233 | 0.172 | 0.71 | 2.8E-01 | 2.8E-01 | Mean |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 1 | 34 | 8 | 23.5% | 0.236 | 3.66 | SB-226 | 0.173 | 0.71 | 4.0E-01 | 4.0E-01 | Mean |
| | Naphthalene | 40 | 500 | 0.5 | 34 | 1 | 2.9% | 1.38 | 1.38 | SB-233 | 0.172 | 0.868 | 1.8E-01 | 1.8E-01 | Mean |
| | Phenanthrene | 500 | 500 | 3 | 34 | 15 | 44.1% | 0.36 | 20 | SB-233 | 0.173 | 0.71 | 1.4E+00 | 1.4E+00 | Mean |
| | Pyrene | 1,000 | 1,000 | 4 | 34 | 21 | 61.8% | 0.196 | 13.4 | SB-233 | 0.179 | 0.71 | 1.4E+00 | 1.4E+00 | Mean |
| PCBs | Total PCBs | 2 | 2 | NA | 39 | 6 | 15.4% | 0.028 | 0.25 | WFA-6 | 0.029 | 0.2 | 3.9E-02 | 3.9E-02 | Mean |
| Pesticides | alpha-BHC | 0.1 | 0.1 | NA | 3 | 1 | 33.3% | 0.0024 | 0.0024 | WFC-10 | 0.001 | 0.0011 | 1.2E-03 | 1.2E-03 | Mean |
| | 4,4'-DDE | 3 | 3 | NA | 3 | 3 | 100.0% | 0.0048 | 0.026 | WFC-10 | -- | -- | 1.5E-02 | 1.5E-02 | Mean |
| | 4,4'-DDT | 3 | 3 | NA | 3 | 1 | 33.3% | 0.0064 | 0.0064 | WFC-10 | 0.0021 | 0.0021 | 2.8E-03 | 2.8E-03 | Mean |
| Metals, total | Mercury | 20 | 20 | 0.3 | 34 | 32 | 94.1% | 0.024 | 4.77 | SB-233 | 0.0627 | 0.0636 | 6.3E-01 | 6.3E-01 | Mean |
| | Arsenic | 20 | 20 | 20 | 34 | 30 | 88.2% | 3.55 | 30.4 | WFD-6 | 2.68 | 8.04 | 1.0E+01 | 1.0E+01 | Mean |
| | Barium | 1,000 | 1,000 | 50 | 34 | 33 | 97.1% | 18.2 | 973 | WFD-5 | 27.8 | 27.8 | 1.5E+02 | 1.5E+02 | Mean |
| | Beryllium | 100 | 100 | 0.4 | 18 | 8 | 44.4% | 0.34 | 0.55 | SB-222 | 0.26 | 0.3 | 2.6E-01 | 2.6E-01 | Mean |
| | Cadmium | 2 | 2 | 2.0 | 34 | 12 | 35.3% | 0.31 | 41.4 | WFD-6 | 0.27 | 0.828 | 1.8E+00 | 7.1E+00 | 95% Chebyshev(Mean, Sd) UCL |
| | Chromium | 30 | 30 | 30 | 34 | 34 | 100.0% | 5.61 | 156 | WFD-6 | -- | -- | 1.9E+01 | 1.9E+01 | Mean |
| | Lead | 300 | 300 | 100 | 34 | 34 | 100.0% | 16.6 | 1640 | SB-233 | -- | -- | 2.7E+02 | 5.2E+02 | 95% H-UCL |
| | Nickel | 20 | 20 | 20 | 18 | 18 | 100.0% | 3.07 | 14.6 | SB-231 | -- | -- | 5.6E+00 | NA | Below background |
| | Selenium | 400 | 400 | 0.5 | 34 | 1 | 2.9% | 2.98 | 2.98 | WFD-5 | 5.11 | 23.3 | 5.6E+00 | 5.6E+00 | Mean |
| | Silver | 100 | 100 | 0.6 | 34 | 10 | 29.4% | 2.11 | 14.6 | SB-233 | 0.48 | 2.71 | 1.8E+00 | 1.8E+00 | Mean |
| | Thallium | 8 | 8 | 0.6 | 18 | 3 | 16.7% | 4.47 | 6.11 | SB-353 | 3.07 | 4.18 | 2.3E+00 | 2.3E+00 | Mean |
| | Vanadium | 600 | 600 | 30 | 18 | 18 | 100.0% | 11 | 23.6 | SB-231 | -- | -- | 1.7E+01 | NA | Below background |
| | Zinc | 2,500 | 2,500 | 100 | 18 | 18 | 100.0% | 17 | 776 | SB-233 | -- | -- | 8.6E+01 | 8.6E+01 | Mean |
| Total Petroleum Hydrocarbons | | 1,000 | 1,000 | NA | 3 | 1 | 33.3% | 77 | 77 | WFC-10 | 66 | 66 | 4.8E+01 | 4.8E+01 | Mean |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available

PAHs - Polynuclear Aromatic Hydrocarbons.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration

Values shown in Bold and shaded type exceed background and one or more of the listed Method 1 standards.

Boxed maxima exceed natural soil background.

TABLE 10
Summary Statistics of Baseline Soil Samples - Junior Varsity Baseball Field (WF-4)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | | | | # of Samples | # of Detects | Freq. of Detects | Min. of Detects (mg/kg) | Max. of Detects (mg/kg) | Location of Max. Detected | Min. of Non-Detects (mg/kg) | Max. of Non-Detects (mg/kg) | Mean Concentration (mg/kg) | EPC (mg/kg) | EPC Rationale |
|-------------------------------------|------------------------|----------|----------|------------|--------------|--------------|------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|-------------|------------------------|
| | | S-1/GW-2 | S-1/GW-3 | Background | | | | | | | | | | | |
| VOCs | m & p-Xylene | 300 | 500 | NA | 1 | 1 | 100.0% | 0.049 | 0.049 | WFG-8 | -- | -- | 4.9E-02 | 4.9E-02 | Mean |
| PAHs / Dibenzofuran | Acenaphthylene | 600 | 10 | 0.5 | 11 | 1 | 9.1% | 0.5 | 0.5 | WFF-8 | 0.169 | 0.34 | 1.4E-01 | NA | Below background |
| | Anthracene | 1,000 | 1,000 | 1 | 11 | 1 | 9.1% | 0.7 | 0.7 | WFF-8 | 0.169 | 0.34 | 1.6E-01 | NA | Below background |
| | Benzo(a)anthracene | 7 | 7 | 2 | 11 | 2 | 18.2% | 0.448 | 1.5 | WFF-8 | 0.169 | 0.34 | 2.6E-01 | NA | Below background |
| | Benzo(a)pyrene | 2 | 2 | 2 | 11 | 2 | 18.2% | 0.402 | 1.1 | WFF-8 | 0.169 | 0.34 | 2.2E-01 | NA | Below background |
| | Benzo(b)fluoranthene | 7 | 7 | 2 | 11 | 3 | 27.3% | 0.45 | 1.1 | WFF-8 | 0.169 | 0.3 | 2.6E-01 | NA | Below background |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 1 | 11 | 2 | 18.2% | 0.282 | 0.57 | WFF-8 | 0.169 | 0.34 | 1.6E-01 | NA | Below background |
| | Benzo(k)fluoranthene | 70 | 70 | 1 | 11 | 1 | 9.1% | 0.4 | 0.4 | WFF-8 | 0.169 | 0.34 | 1.3E-01 | NA | Below background |
| | Chrysene | 70 | 70 | 2 | 11 | 5 | 45.5% | 0.215 | 1.5 | WFF-8 | 0.169 | 0.192 | 3.1E-01 | NA | Below background |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 0.5 | 11 | 1 | 9.1% | 0.5 | 0.5 | WFF-8 | 0.169 | 0.34 | 1.4E-01 | NA | Below background |
| | Fluoranthene | 1,000 | 1,000 | 4 | 11 | 4 | 36.4% | 0.294 | 2.1 | WFF-8 | 0.169 | 0.3 | 4.1E-01 | NA | Below background |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 1 | 11 | 1 | 9.1% | 0.317 | 0.317 | SB-236 | 0.169 | 0.34 | 1.3E-01 | NA | Below background |
| | Phenanthrene | 500 | 500 | 3 | 11 | 2 | 18.2% | 1.1 | 2.1 | WFF-8 | 0.169 | 0.34 | 3.8E-01 | NA | Below background |
| | Pyrene | 1,000 | 1,000 | 4 | 11 | 5 | 45.5% | 0.216 | 3.5 | WFF-8 | 0.169 | 0.3 | 5.8E-01 | NA | Below background |
| PCBs | Total PCBs | 2 | 2 | NA | 13 | 3 | 23.1% | 0.0555 | 0.108 | SB-234 | 0.029 | 0.0578 | 3.6E-02 | 3.6E-02 | Mean |
| Pesticides | | | | | | | | | | | | | | | |
| | alpha-BHC | 0.1 | 0.1 | NA | 1 | 1 | 100.0% | 0.012 | 0.012 | WFG-8 | -- | -- | 1.2E-02 | 1.2E-02 | Mean |
| | 4,4'-DDE | 3 | 3 | NA | 1 | 1 | 100.0% | 0.0085 | 0.0085 | WFG-8 | -- | -- | 8.5E-03 | 8.5E-03 | Mean |
| | Heptachlor epoxide | 0.09 | 0.09 | NA | 1 | 1 | 100.0% | 0.0038 | 0.0038 | WFG-8 | -- | -- | 3.8E-03 | 3.8E-03 | Mean |
| | Hexachlorobenzene | 0.7 | 0.7 | NA | 1 | 1 | 100.0% | 0.004 | 0.004 | WFG-8 | -- | -- | 4.0E-03 | 4.0E-03 | Mean |
| Metals | | | | | | | | | | | | | | | |
| | Mercury | 20 | 20 | 0.3 | 12 | 12 | 100.0% | 0.019 | 6.93 | WFG-7 | -- | -- | 8.6E-01 | 8.6E-01 | Mean |
| | Arsenic | 20 | 20 | 20 | 28 | 26 | 92.9% | 2.75 | 238 | POST-10 | 2.54 | 83.2 | 2.7E+01 | 4.6E+01 | 95% H-UCL |
| | Barium | 1,000 | 1,000 | 50 | 12 | 11 | 91.7% | 14.2 | 774 | WFG-9 | 333 | 333 | 1.6E+02 | 1.6E+02 | Mean |
| | Beryllium | 100 | 100 | 0.4 | 8 | 4 | 50.0% | 0.32 | 0.7 | SB-234 | 0.26 | 0.29 | 2.9E-01 | 2.9E-01 | Mean |
| | Cadmium | 2 | 2 | 2 | 12 | 6 | 50.0% | 0.34 | 38.4 | WFG-7 | 0.26 | 0.728 | 3.6E+00 | 3.6E+00 | Mean |
| | Chromium | 30 | 30 | 30 | 12 | 12 | 100.0% | 5.71 | 33.1 | WFG-9 | -- | -- | 1.7E+01 | 1.7E+01 | Mean |
| | Lead | 300 | 300 | 100 | 12 | 12 | 100.0% | 1,160 | 1710 | WFG-7 | -- | -- | 2.7E+02 | 1.2E+03 | 95% Adjusted Gamma UCL |
| | Nickel | 20 | 20 | 20 | 8 | 8 | 100.0% | 3.43 | 12.4 | SB-234 | -- | -- | 6.4E+00 | NA | Below background |
| | Silver | 100 | 100 | 0.6 | 12 | 8 | 66.7% | 0.69 | 4.68 | SB-237 | 1.9 | 23.3 | 2.6E+00 | 2.6E+00 | Mean |
| | Vanadium | 600 | 600 | 30 | 8 | 8 | 100.0% | 8.12 | 25.3 | SB-234 | -- | -- | 1.6E+01 | NA | Below background |
| | Zinc | 2,500 | 2,500 | 100 | 8 | 8 | 100.0% | 14.7 | 118 | SB-237 | -- | -- | 4.1E+01 | 4.1E+01 | Mean |
| Total Petroleum Hydrocarbons | | | | | | | | | | | | | | | |
| | Diesel Range Organics | 1,000 | 1,000 | NA | 1 | 1 | 100.0% | 180 | 180 | WFG-8 | -- | -- | 1.8E+02 | 1.8E+02 | Mean |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available or not applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated biphenyls.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration

Values shown in Bold and shaded type exceed background and one or more of the listed Method 1 standards.

Boxed maxima exceed natural soil background.

TABLE 11
Summary Statistics of Baseline Soil Samples - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | | | | # of Samples | # of Detects | Freq. of Detects | Min. of Detects (mg/kg) | Max. of Detects (mg/kg) | Location of Max. Detected | Min. of Non-Detects (mg/kg) | Max. of Non-Detects (mg/kg) | Mean Concentration (mg/kg) | EPC (mg/kg) | EPC Rationale |
|-------------------------------------|-------------------------|----------|----------|------------|--------------|--------------|------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|----------------|-------------------------------|
| | | S-1/GW-2 | S-1/GW-3 | Background | | | | | | | | | | | |
| VOCs | Bromomethane | 0.5 | 30 | NA | 6 | 2 | 33.3% | 0.36 | 0.65 | WFD-3 | 0.012 | 0.014 | 1.7E-01 | 1.7E-01 | Mean |
| PAHs / Dibenzofuran | Dibenzofuran | 10 | 10 | NA | 12 | 3 | 25.0% | 0.059 | 0.084 | WFD-1 | 0.059 | 0.85 | 1.7E-01 | 1.7E-01 | Mean |
| | Acenaphthene | 1,000 | 1,000 | 0.5 | 37 | 4 | 10.8% | 0.078 | 0.259 | SB-254 | 0.059 | 0.85 | 1.2E-01 | NA | Below background |
| | Acenaphthylene | 600 | 10 | 0.5 | 37 | 7 | 18.9% | 0.17 | 3.2 | WFD-4 | 0.095 | 0.85 | 2.3E-01 | 2.3E-01 | Mean |
| | Anthracene | 1,000 | 1,000 | 1 | 37 | 9 | 24.3% | 0.252 | 5.2 | WFD-4 | 0.095 | 0.85 | 3.7E-01 | 3.7E-01 | Mean |
| | Benzo(a)anthracene | 7 | 7 | 2 | 37 | 18 | 48.6% | 0.197 | 7.2 | WFD-4 | 0.095 | 0.85 | 6.8E-01 | 6.8E-01 | Mean |
| | Benzo(a)pyrene | 2 | 2 | 2 | 37 | 19 | 51.4% | 0.185 | 3.9 | WFD-4 | 0.095 | 0.85 | 5.6E-01 | 5.6E-01 | Mean |
| | Benzo(b)fluoranthene | 7 | 7 | 2 | 37 | 19 | 51.4% | 0.215 | 3.48 | SB-254 | 0.095 | 0.85 | 5.1E-01 | 5.1E-01 | Mean |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 1 | 37 | 16 | 43.2% | 0.191 | 2.76 | SB-254 | 0.095 | 0.85 | 3.3E-01 | 3.3E-01 | Mean |
| | Benzo(k)fluoranthene | 70 | 70 | 1 | 37 | 11 | 29.7% | 0.197 | 3.8 | WFA-2 | 0.095 | 0.85 | 4.6E-01 | 4.6E-01 | Mean |
| | Chrysene | 70 | 70 | 2 | 37 | 19 | 51.4% | 0.193 | 5.5 | WFD-4 | 0.095 | 0.85 | 6.1E-01 | 6.1E-01 | Mean |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 0.5 | 37 | 7 | 18.9% | 0.1 | 0.83 | WFD-4 | 0.095 | 0.85 | 1.7E-01 | 1.7E-01 | Mean |
| | Fluoranthene | 1,000 | 1,000 | 4 | 37 | 22 | 59.5% | 0.096 | 7.9 | WFD-4 | 0.171 | 0.205 | 1.0E+00 | 1.0E+00 | Mean |
| | Fluorene | 1,000 | 1,000 | 1 | 37 | 4 | 10.8% | 0.12 | 0.395 | SB-254 | 0.059 | 0.85 | 1.2E-01 | NA | Below background |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 1 | 37 | 16 | 43.2% | 0.19 | 3.12 | SB-254 | 0.095 | 0.85 | 3.5E-01 | 3.5E-01 | Mean |
| | Naphthalene | 40 | 500 | 0.5 | 37 | 3 | 8.1% | 0.067 | 0.246 | SB-254 | 0.056 | 0.85 | 1.1E-01 | NA | Below background |
| | Phenanthrene | 500 | 500 | 3 | 37 | 20 | 54.1% | 0.206 | 6.2 | WFD-4 | 0.095 | 0.205 | 8.4E-01 | 8.4E-01 | Mean |
| | Pyrene | 1,000 | 1,000 | 4 | 37 | 23 | 62.2% | 0.14 | 16 | WFD-4 | 0.173 | 0.41 | 1.4E+00 | 1.4E+00 | Mean |
| PCBs | Total PCBs | 2 | 2 | NA | 25 | 3 | 12.0% | 0.0727 | 0.13 | WFA-2 | 0.0501 | 0.37 | 8.0E-02 | 8.0E-02 | Mean |
| Metals | | | | | | | | | | | | | | | |
| | Mercury | 20 | 20 | 0.3 | 37 | 33 | 89.2% | 0.026 | 1.31 | WFC-2 | 0.014 | 0.064 | 2.1E-01 | 2.1E-01 | Mean |
| | Arsenic | 20 | 20 | 20 | 66 | 66 | 100.0% | 1.65 | 1040 | POST-3 | -- | -- | 3.8E+01 | 1.4E+02 | 97.5% Chebyshev(Mean, Sd) UCL |
| | Barium | 1,000 | 1,000 | 50 | 33 | 33 | 100.0% | 21 | 1060 | WFC-2 | -- | -- | 1.3E+02 | 1.3E+02 | Mean |
| | Beryllium | 100 | 100 | 0.4 | 25 | 5 | 20.0% | 0.37 | 0.47 | SB-252 | 0.26 | 0.31 | 2.0E-01 | 2.0E-01 | Mean |
| | Cadmium | 2 | 2 | 2 | 37 | 17 | 45.9% | 0.29 | 5.61 | WFC-2 | 0.26 | 0.31 | 4.3E-01 | 4.3E-01 | Mean |
| | Chromium | 30 | 30 | 30 | 37 | 37 | 100.0% | 4.81 | 85 | WTR-SS-09 | -- | -- | 2.2E+01 | 2.2E+01 | Mean |
| | Lead | 300 | 300 | 100 | 37 | 37 | 100.0% | 4.1 | 4590 | WFC-2 | -- | -- | 3.0E+02 | 8.9E+02 | 95% Chebyshev(Mean, Sd) UCL |
| | Nickel | 20 | 20 | 20 | 25 | 25 | 100.0% | 3.76 | 38.5 | WTR-SS-09 | -- | -- | 1.2E+01 | 1.2E+01 | Mean |
| | Selenium | 400 | 400 | 0.5 | 33 | 1 | 3.0% | 2.03 | 2.03 | WFC-2 | 0.64 | 6.16 | 2.3E+00 | 2.3E+00 | Mean |
| | Silver | 100 | 100 | 0.6 | 33 | 9 | 27.3% | 1.15 | 7.4 | WFC-2 | 0.32 | 0.62 | 1.0E+00 | 1.0E+00 | Mean |
| | Vanadium | 600 | 600 | 30 | 25 | 25 | 100.0% | 13 | 47.8 | WTR-SS-10 | -- | -- | 2.1E+01 | 2.1E+01 | Mean |
| | Zinc | 2,500 | 2,500 | 100 | 25 | 25 | 100.0% | 20.4 | 118 | SB-255 | -- | -- | 4.7E+01 | 4.7E+01 | Mean |
| Total Petroleum Hydrocarbons | Diesel Range Organics | 1,000 | 1,000 | NA | 7 | 7 | 100.0% | 22 | 984 | WFD-3 | -- | -- | 1.9E+02 | 1.9E+02 | Mean |
| | Gasoline Range Organics | 1,000 | 1,000 | NA | 2 | 1 | 50.0% | 5.3 | 5.3 | WFA-4 | 7.7 | 7.7 | 4.6E+00 | 4.6E+00 | Mean |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available or not applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated biphenyls.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration

Values shown in Bold and shaded type exceed background and one or more of the listed Method 1 standards.

Boxed maxima exceed natural soil background.

TABLE 12
Summary of Post-Excavation Soil Data - Football Field (WF-1)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFA11 | | WFA-12 | | WFB11 | | WFB-12 | | WFB-14 | | WFC-10.75 | | WPC-12 | | WFC13 | | WFD-10.75 | | WFD13 | | | | |
|--------------------------|--------------------|------------------|----------|----------|----------|--------|------|-----------------|------------------|-----------|-----------------|-----------------|-----------|-----------------|------------------|----------------------|-----------------|----------------------|-----------|-----------------|-----------------|-----------|-----------------|-----------------|-----------|-----------------|-----------------|----|----|----|
| | | Sample Date: | | | | | | 0-1 02/19/09 | 1-3 02/19/09 | 2/23/2006 | 0-1 02/19/09 | 1-3 02/19/09 | 2/23/2006 | 0-1 02/19/09 | 2-3 2/23/2006 | 1.5-2.5 2/23/2006 | 0-1 02/19/09 | 1.75-2.5 02/19/09 | 2/23/2006 | 0-1 02/19/09 | 1-3 02/19/09 | 2/23/2006 | 0-1 02/19/09 | 1-3 02/19/09 | 2/23/2006 | 0-1 02/19/09 | 1-3 02/19/09 | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | average | 1-2.5 average | 02/19/09 | 02/19/09 | average | 02/19/09 | 02/19/09 | average | 02/19/09 | 02/19/09 | average | 02/19/09 | 02/19/09 | average | 02/19/09 | 02/19/09 | average | 02/19/09 | 02/19/09 | average | | | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | 0.370 | NA | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.670 | NA | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | 1.40 | NA | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | 1.40 | NA | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | 1.70 | NA | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.930 | NA | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | 0.640 | NA | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | 1.50 | NA | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | 0.840 | NA | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 2.40 | NA | NA | NA | 0.310 | U | 0.360 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 0.300 | U | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | 0.300 | U | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | 1.30 | NA | NA | NA | 0.310 | U | 0.310 | U | 0.065 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | 2.40 | NA | NA | NA | 0.310 | U | 0.330 | U | 0.067 | U | NA | NA | 0.310 | U | NA | NA | NA | NA | NA | NA | | |
| PCBs | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | 0.030 | U | NA | NA | 0.11 | U | 0.031 | U | 0.032 | U | 0.13 | U | NA | NA | 0.031 | U | NA | NA | NA | NA | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | 0.030 | U | NA | NA | 0.11 | U | 0.031 | U | 0.032 | U | 0.13 | U | NA | NA | 0.031 | U | NA | NA | NA | NA | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | 0.030 | U | NA | NA | 0.23 | U | 0.031 | U | 0.032 | U | 0.26 | U | NA | NA | 0.031 | U | NA | NA | NA | NA | |
| Pesticides | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | 0.019 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | 0.0062 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Endosulfan sulfate | 200* | 20* | NS | NS | 0.5 | N/A | NA | NA | 0.0019 | U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | 0.391 | NA | NA | NA | 0.151 | U | 0.140 | U | 0.146 | U | NA | NA | 0.109 | U | NA | NA | NA | NA | NA | NA | NA | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | NA | 7.12 | U | NA | NA | 7.68 | U | 16.8 | U | 1.02 | U | NA | NA | 7.86 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 436 | NA | NA | NA | 74.9 | U | 72.5 | U | 32 | U | NA | NA | 66.6 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | 0.712 | U | NA | NA | 0.768 | U | 0.743 | U | 0.42 | U | NA | NA | 0.786 | U | NA | NA | NA | NA | NA | NA | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | 13 | NA | NA | NA | 12.4 | U | 12 | U | 7.22 | U | NA | NA | 5.60 | | | | | | | | | |

TABLE 12
Summary of Post-Excavation Soil Data - Football Field (WF-1)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFE-11 | | WFE-13 | | WFF-11 | | WFF-12 | | WFF-13 | | SB-244 | | SB-245 | | SB-246 | | SB-247 | | SB-248 | | | | | | | | |
|---------------------------------|------------------------|------------------|----------|----------|----------|--------|------|--------------|-----------|-----------|-------|--------|-----------|-----------|-------|---------|-------|-----------|-------|-----------|--------|--------|-----------|--------|-----------|--------|-----------|-------|--------|----|--------|---|--|--|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | Sample Date: | 2/23/2006 | 2/23/2006 | 0-0.5 | 1-3 | 2/23/2006 | 2/23/2006 | 0-0.5 | 1.5-2.5 | 0-1 | 2/23/2006 | 1-3 | 7/11/2008 | 2 | 0.5 | 7/11/2008 | 0.5 | 7/11/2008 | 0.5 | 7/11/2008 | | | | | | | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.260 | U | NA | NA | 0.490 | NA | 0.370 | U | NA | 0.680 | NA | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.260 | U | NA | NA | 0.590 | NA | 0.370 | U | NA | 0.370 | NA | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.500 | NA | NA | 3.20 | NA | 0.870 | NA | 1.80 | NA | 0.196 | U | 0.315 | 0.213 | 0.202 | 0.269 | 0.293 | | | | | | | | | | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.380 | NA | NA | 3.50 | NA | 0.680 | NA | 2.0 | NA | 0.196 | U | 0.252 | 0.204 | 0.201 | 0.243 | 0.302 | | | | | | | | | | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 1.0 | NA | NA | 3.70 | NA | 0.820 | NA | 1.40 | NA | 0.196 | U | 0.307 | 0.233 | 0.234 | 0.328 | 0.390 | | | | | | | | | | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.450 | NA | NA | 2.30 | NA | 0.460 | NA | 0.870 | NA | 0.196 | U | 0.193 | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | | | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.260 | U | NA | NA | 1.40 | NA | 0.370 | U | NA | 2.40 | NA | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.720 | NA | NA | 3.10 | NA | 0.790 | NA | 2.50 | NA | 0.196 | U | 0.335 | 0.215 | 0.216 | 0.296 | 0.317 | | | | | | | | | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.340 | NA | NA | 2.0 | NA | 0.420 | NA | 0.310 | NA | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.750 | NA | NA | 4.50 | NA | 1.70 | NA | 5.10 | NA | 0.196 | U | 0.668 | 0.370 | 0.337 | 0.463 | 0.504 | | | | | | | | | | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.260 | U | NA | NA | 0.300 | U | 0.370 | U | NA | 0.390 | NA | 0.196 | U | 0.181 | U | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.260 | U | NA | NA | 0.570 | NA | 0.370 | U | NA | 0.760 | NA | 0.196 | U | 0.219 | 0.200 | U | 0.201 | U | 0.209 | U | 0.220 | U | | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.350 | NA | NA | 1.40 | NA | 1.20 | NA | 5.30 | NA | 0.196 | U | 0.626 | 0.331 | 0.267 | 0.230 | 0.241 | | | | | | | | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.480 | NA | NA | 5.60 | NA | 1.50 | NA | 6.30 | NA | 0.208 | 0.640 | 0.385 | 0.329 | 0.427 | 0.442 | | | | | | | | | | | | |
| PCBs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.025 | U | 0.12 | U | 0.110 | 0.030 | U | 0.037 | U | 0.12 | U | 0.14 | U | 0.0580 | U | 0.0528 | U | 0.0604 | U | 0.0618 | U | 0.0586 | U | 0.0642 | U | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.025 | U | 0.12 | U | 0.075 | 0.040 | 0.045 | 0.037 | U | 0.12 | U | 0.14 | U | 0.0580 | U | 0.0528 | U | 0.0604 | U | 0.0618 | U | 0.0586 | U | 0.0642 | U | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.025 | U | 0.23 | U | 0.185 | 0.040 | 0.045 | 0.037 | U | 0.23 | U | 0.27 | U | 0.0580 | U | 0.0528 | U | 0.0604 | U | 0.0618 | U | 0.0586 | U | 0.0642 | U | | |
| Pesticides | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | 0.0016 | U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | 0.0016 | U | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| | Endosulfan sulfate | 200* | 20* | NS | NS | 0.5 | N/A | 0.0047 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| Metals, total (mg/kg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 1.65 | NA | NA | NA | 0.708 | NA | 0.180 | NA | 0.229 | NA | 0.429 | 0.946 | 0.121 | 0.117 | 0.190 | 0.220 | | | | | | | | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 55.6 | NA | NA | 11.7 | NA | 10.9 | NA | 6.23 | NA | 2.93 | U | 6.08 | 3.00 | U | 3.01 | U | 3.86 | | | | | | | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 130 | NA | NA | 168 | NA | 91.3 | NA | 85 | NA | 49.5 | NA | 93.6 | 24.3 | 21.0 | 21.0 | 37.8 | 48.2 | | | | | | | | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.30 | U | 0.44 | 0.30 | U | 0.31 | U | 0.32 | U | 0.33 | U | | | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.621 | NA | NA | 0.931 | NA | 0.915 | U | NA | 0.66 | NA | 0.43 | 0.28 | U | 0.33 | 0.39 | 0.42 | 0.46 | | | | | | | | | | |
| </ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 12
Summary of Post-Excavation Soil Data - Football Field (WF-1)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-249 | | SB-250 | | SB-251 | | SB-351 | | SB-352 | |
|-------------------------------------|---------|------------------|----------|----------|----------|--------|------|--------------|------------------|----------------|------------------|------------------|------------------|------------------|------------------|--------------------|--|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | Sample Date: | 0.5 7/11/2008 | 2 7/11/2008 | 0.5 7/11/2008 | 0.5 7/11/2008 | 0-1 2/16/2009 | 1-3 2/16/2009 | 0-1 2/16/2009 | 1-2.5 2/16/2009 | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | |
| Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | | 0.223 U | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | | 0.223 U | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | | 0.234 | 0.307 | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | | 0.259 | 0.306 | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | | 0.333 | 0.326 | 0.295 | 0.233 | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | | 0.223 U | 0.251 | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Benz(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | | 0.223 U | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | | 0.252 | 0.315 | 0.235 | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | | 0.223 U | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | | 0.380 | 0.505 | 0.414 | 0.228 | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | | 0.223 U | 0.192 U | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | | 0.223 U | 0.284 | 0.220 U | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | | 0.223 U | 0.260 | 0.189 U | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | | |
| Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | | 0.372 | 0.768 | 0.329 | 0.202 | 0.240 U | 0.201 U | 0.231 U | 0.191 U | | |
| PCBs | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | | 0.0612 U | 0.0562 U | 0.0670 U | 0.0550 U | 0.0613 U | 0.0623 U | 0.0656 U | 0.0564 U | | |
| Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | | 0.0612 U | 0.0562 U | 0.0670 U | 0.0550 U | 0.0613 U | 0.0623 U | 0.0656 U | 0.0564 U | | |
| Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | | 0.0612 U | 0.0562 U | 0.0670 U | 0.0550 U | 0.0613 U | 0.0623 U | 0.0656 U | 0.0564 U | | |
| Pesticides | | | | | | | | | | | | | | | | | |
| 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Endosulfan sulfate | 200* | 20* | NS | NS | 0.5 | N/A | | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total | | | | | | | | | | | | | | | | | |
| (mg/kg) | | | | | | | | | | | | | | | | | |
| Mercury | 20 | 20 | 30 | 30 | 20 | N/A | | 0.294 | 0.372 | 0.294 | 0.165 | 0.170 | 0.137 | 0.130 | 0.062 | | |
| Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | | 3.35 U | 4.17 | 3.30 U | 5.74 | 5.3 | 4.48 | 4.09 | 4.37 | | |
| Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | | 37.7 | 35.3 | 45.8 | 33.4 | 30.9 | 35.8 | 26.3 | 34.1 | | |
| Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | | 0.34 U | 0.32 | 0.33 U | 0.29 | 0.36 U | 0.31 U | 0.35 U | 0.48 | | |
| Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | | 0.48 | 0.29 U | 0.42 | 0.34 | 0.46 | 0.31 U | 0.41 | 0.29 U | | |
| Chromium | 30 | 30 | 200 | 200 | 30 | N/A | | 32.1 | 13.0 | 26.3 | 14.2 | 26.3 | 11.4 | 30.9 | 15.5 | | |
| Lead | 300 | 300 | 300 | 300 | 300 | N/A | | 119 | 73.0 | 102 | 91.3 | 51.2 | 95.4 | 41.4 | 19.6 | | |
| Nickel | 20 | 20 | 700 | 700 | 20 | N/A | | 5.39 | 3.92 | 6.43 | 5.51 | 3.9 | 4.46 | 4.49 | 5.75 | | |
| Selenium | 400 | 400 | 800 | 800 | 400 | N/A | | 6.69 U | 5.76 U | 6.59 U | 5.66 U | 7.19 U | 6.03 U | 6.91 U | 5.71 U | | |
| Silver | 100 | 100 | 200 | 200 | 100 | N/A | | 2.54 | 0.58 U | 2.84 | 2.90 | 0.72 U | 0.61 U | 2.64 | 0.58 U | | |
| Thallium | 8 | 8 | 60 | 60 | 8 | N/A | | 4.02 U | 3.46 U | 3.96 U | 3.40 U | 4.37 | 6.43 | 4.15 U | 5.06 | | |
| Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | | 19.9 | 12.0 | 20.4 | 23.0 | 15.1 | 12.8 | 15.4 | 20.0 | | |
| Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | | 48.0 | 33.1 | 45.3 | 35.6 | 37.3 | 27.4 | 32.8 | 28.3 | | |
| Total Petroleum Hydrocarbons | | | | | | | | | | | | | | | | | |
| (mg/kg) | | | | | | | | | | | | | | | | | |
| Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, TCLP | | | | | | | | | | | | | | | | | |
| Lead, TCLP | NS | NS | NS | NS | NS | 5.0** | | NA | NA | NA | NA | NA | NA | NA | NA | NA | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as appl

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(1) - MassDEP Method 1 standards and RC for C9-C10 aromatics used.

(2) - MassDEP RC for Dichloropropene used.

(3) - MassDEP RC for Dichloropropene used.

(4) - MassDEP RC for 1,3-Dichloropropene used.

(5) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic .

TABLE 13
Summary of Post-Excavation Soil Data - Soccer Field (WF-2)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WFE-1 | WFE-2 | WFE-4 | WFE-5 | | WFE-6 | WFF-4 | WFF-5 | | SB-238 | SB-239 | SB-240 |
|--|------------------------|-------------------------------------|-------|-------|-------|-------|-------------------|--------------------------------|-----------------------|--------------------|-----------------------------|---------------------------|-----------------------------|--------------------|-----------------------------|-----------------------------|------------------|------------------|------------------|
| | | Sample Date: Sample Depth (ft.): | | | | | | 2/23/2006 0.75-2.5 combo | 2/23/2006 1.75-2.5 | 2/23/2006 2-2.5 | 0-1 2/23/2009 average | 1-3 2/23/2009 combo | 2/23/2006 1-2.5 combo | 2/23/2006 2-2.5 | 0-1 2/25/2009 average | 1-3 2/25/2009 average | 0.5 7/11/2008 | 0.5 7/11/2008 | 0.5 7/11/2008 |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | 0.230 | 0.130 | 0.062 U | NA | NA | NA | 0.056 U | NA | NA | NA | NA | NA |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.077 | 0.130 | 0.062 U | 0.2225 U | 0.22075 U | 0.270 U | 0.056 U | 0.20125 U | 0.44625 U | 0.181 U | 0.178 U | 0.197 U |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.370 | 0.220 | 0.062 U | 0.2225 U | 0.22075 U | 0.270 U | 0.056 U | 0.20125 U | 0.44625 U | 0.181 U | 0.178 U | 0.197 U |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.560 | 0.810 | 0.062 U | 0.2225 U | 0.22075 U | 0.960 | 0.056 U | 0.20125 U | 0.44625 U | 0.181 U | 0.178 U | 0.197 U |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 1.10 | 1.70 | 0.083 | 0.2225 U | 0.22075 U | 1.70 | 0.056 U | 0.20125 U | 0.44625 U | 0.181 U | 0.178 U | 0.197 U |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 2.70 | 3.30 | 0.170 | 0.2225 U | 0.15338 J | 3.40 | 0.110 | 0.20125 U | 0.618 | 0.181 U | 0.178 U | 0.197 U |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 3.0 | 2.40 | 0.150 | 0.2225 U | 0.14613 J | 3.20 | 0.130 | 0.20125 U | 0.55 | 0.181 U | 0.178 U | 0.197 U |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 2.40 | 2.10 | 0.130 | 0.2225 U | 0.15288 J | 3.80 | 0.089 | 0.20125 U | 0.597 | 0.181 U | 0.178 U | 0.197 U |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 1.60 | 1.30 | 0.079 | 0.2225 U | 0.22075 U | 2.10 | 0.079 | 0.20125 U | 0.3195 | 0.181 U | 0.178 U | 0.197 U |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 2.30 | 2.70 | 0.170 | 0.2225 U | 0.22075 U | 1.60 | 0.140 | 0.20125 U | 0.3425 | 0.181 U | 0.178 U | 0.197 U |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 2.40 | 3.0 | 0.180 | 0.2225 U | 0.22063 J | 4.20 | 0.100 | 0.20125 U | 0.66975 | 0.181 U | 0.178 U | 0.197 U |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.650 | 0.670 | 0.062 U | 0.2225 U | 0.22075 U | 1.90 | 0.056 U | 0.20125 U | 0.44625 U | 0.181 U | 0.178 U | 0.197 U |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 5.80 | 5.50 | 0.320 | 0.2225 U | 0.31813 J | 6.50 | 0.200 | 0.22375 U | 0.9325 | 0.181 U | 0.178 U | 0.197 U |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.370 | 0.460 | 0.062 U | 0.2225 U | 0.22075 U | 0.300 | 0.056 U | 0.20125 U | 0.44625 U | 0.181 U | 0.178 U | 0.197 U |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 1.40 | 1.0 | 0.062 U | 0.2225 U | 0.13838 J | 0.610 | 0.072 | 0.20125 U | 0.36025 | 0.181 U | 0.178 U | 0.197 U |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.150 | 0.220 | 0.062 U | 0.2225 U | 0.1745 J | 0.270 U | 0.056 U | 0.20125 U | 0.44625 U | 0.181 U | 0.178 U | 0.197 U |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 4.50 | 5.70 | 0.240 | 0.2225 U | 0.28213 J | 5.0 | 0.097 | 0.214 U | 0.68 | 0.181 U | 0.178 U | 0.197 U |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 5.40 | 6.40 | 0.18925 J | 0.46525 | 8.0 | 0.210 | 0.24875 U | 1.15075 | 0.181 U | 0.178 U | 0.197 U | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.581 | 0.108 | 0.130 | NA | NA | 0.164 | 0.068 U | NA | NA | 0.050 | 0.055 | 0.043 |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 4.145 | 8.29 | 8.46 | NA | NA | 11.38 | 6.84 | NA | NA | 3.02 | 2.66 U | 2.96 U |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 168 | 46 | 490 | NA | NA | 202 | 443 | NA | NA | 22.1 | 18.3 | 16.9 |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.81 | 0.46 | 0.83 | 0.310 U | 0.795 | 0.715 U | 0.75 | 0.31 U | 0.20 J | 0.42 | 0.27 | 0.30 U |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 9.17 | 5.14 | 11 | NA | NA | 25 | 12 | NA | NA | 9.59 | 7.41 | 7.52 |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 735.5 | 244 | 339 | 144.925 | 421.5 | 501 | 270 | 17.075 | 78.065 | 14.9 | 16.9 | 15.1 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | 6.38 | 4.82 | 4.96 | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 0.385 U | 0.38 U | 0.41 U | NA | NA | 2.005 U | 0.34 U | NA | NA | 3.69 | 3.15 | 2.95 |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | 16.4 | 14.4 | 13.3 | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | 22.1 | 20.0 | 19.7 | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | 290 | NA | NA | NA | NA | NA | |
| Metals, TCLP (Lead, TCLP) | | NS | NS | NS | NS | NS | 5.0 ^{**} | NA | NA | NA | NA | NA | 0.65 | NA | NA | NA | NA | NA | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as applicable.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

TABLE 13
Summary of Post-Excavation Soil Data - Soccer Field (WF-2)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-241 | SB-242 | SB-243 | SB-358 |
|--|------------------------|---------------------|-------|-------|-------|-------|--------------------|------------------|------------------|------------------|------------------|
| | | Sample Date: | | | | | | 0.5 7/11/2008 | 0.5 7/11/2008 | 0.5 7/11/2008 | 0-1 2/16/2009 |
| | | Sample Depth (ft.): | | | | | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 |
| | | RC S-1 | TSCA | | | | | | | | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | NS | NS | NS | NS | 100 | N/A | NA | NA | NA | NA |
| | 2-Methylnaphthalene | 80 | 300 | 80 | 500 | 0.7 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.189 U |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.189 U |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.189 U |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.189 U |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.193 U | 0.188 U | 0.33875 | 0.189 U |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.193 U | 0.188 U | 0.35125 | 0.189 U |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.193 U | 0.188 U | 0.18375 | 0.189 U |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.193 U | 0.188 U | 0.17125 | 0.189 U |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.189 U |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.193 U | 0.188 U | 0.27425 | 0.189 U |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.189 U |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.198 U |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.198 U |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.198 U |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.189 U |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.193 U | 0.188 U | 0.183 U | 0.189 U |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.193 U | 0.188 U | 0.16775 | 0.198 U |
| | | | | | | | | | | | 0.339 |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.047 | 0.046 | 0.0445 | 0.044 |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 2.90 U | 2.82 U | 2.1375 | 3.33 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 14.5 | 22.6 | 17.8 | 30.1 |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.29 U | 0.29 U | 0.28 U | 0.30 U |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 6.17 | 10.6 | 6.335 | 11.1 |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 16.7 | 21.3 | 14 | 13.8 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 4.12 | 5.98 | 5.08 | 5.65 |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 2.62 | 3.06 | 3.10 | 0.60 U |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 13.0 | 17.6 | 13.1 | 14.4 |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | 16.9 | 23.6 | 17.15 | 24.1 |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA |
| Metals, TCLP | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ^{U/U} | NA | NA | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold** and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as applicable.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(1) - MassDEP Method 1 standards and RC for C9-C10 aromatics used.

(2) - MassDEP RC for Dichloropropane used.

(3) - MassDEP RC for Dichloropropene used.

(4) - MassDEP RC for 1,3-Dichloropropene used.

(5) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

TABLE 14
Summary of Post-Excavation Soil Data - Practice Area (WF-3)
Walsh Field
New Bedford, Massachusetts

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/l. - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in Bold and shaded type exceed one or

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA = Toxic Substances Control

Data are based on the "Summary"

(1) - MassDEP Method 1 standards and RCV

(2) MassDPG PC for Dibromoepoxide used.

(2) MeOH/NP-PC for Dinitropropane used.

(3) - MassDEP RC for Dichloropropene used.

(4) - MassSPEPC for 1,3-Dichloropropene us

(S) - SW-846 Chapter 7, Table 7-1, Maximum

TABLE 14
Summary of Post-Excavation Soil Data - Practice Area (WF-3)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-232 | | SB-233 | | SB-353 | | SB-354 | | SB-355 | | SB-356 | |
|--|------------------------|------------------|----------|------------------|----------|----------------------------|------------------|----------------------------|--------|------------------|--------------|--------------------|--------------|------------------|-------------|--------------------|--------------|------------------|--|
| | | Sample Date: | | 0.5 7/10/2008 | | 0-1 02/20/09 average | | 1-3 02/20/09 average | | 0-1 2/16/2009 | | 1-2.5 2/16/2009 | | 0-1 2/16/2009 | | 1-2.5 2/16/2009 | | 0-1 2/16/2009 | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | |
| PAHs / Dibenzofuran | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.182 U | NA | 0.231 U | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.199 U | 0.204 U | 0.195 U | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.182 U | NA | 0.231 U | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.199 U | 0.204 U | 0.195 U | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.182 U | NA | 0.231 U | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.199 U | 0.204 U | 0.195 U | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.182 U | NA | 0.430 | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.403 | 0.204 U | 0.195 U | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.182 U | NA | 0.418 | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.470 | 0.204 U | 0.195 U | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.182 U | NA | 0.613 | 0.186 U | 0.232 U | 0.191 U | 0.246 | 0.661 | 0.204 U | 0.195 U | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.182 U | NA | 0.231 U | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.199 U | 0.204 U | 0.195 U | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.182 U | NA | 0.231 U | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.270 | 0.204 U | 0.195 U | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.182 U | NA | 0.614 | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.524 | 0.204 U | 0.195 U | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.182 U | NA | 0.231 U | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.199 U | 0.204 U | 0.195 U | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.189 | NA | 0.815 | 0.211 | 0.232 U | 0.191 U | 0.251 | 0.750 | 0.204 U | 0.195 U | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.182 U | NA | 0.231 U | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.199 U | 0.204 U | 0.195 U | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.182 U | NA | 0.236 | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.274 | 0.204 U | 0.195 U | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.182 U | NA | 0.509 | 0.186 U | 0.232 U | 0.191 U | 0.225 U | 0.472 | 0.204 U | 0.195 U | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.250 | NA | 0.805 | 0.259 | 0.232 U | 0.191 U | 0.258 | 0.671 | 0.204 U | 0.195 U | | |
| PCBs | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0528 U | NA | 0.0640 U | 0.0568 U | 0.0616 U | 0.0556 U | 0.0624 U | 0.0548 U | 0.0634 U | 0.0573 U | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0528 U | NA | 0.0640 U | 0.0568 U | 0.0616 U | 0.0556 U | 0.0624 U | 0.0548 U | 0.0634 U | 0.0573 U | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.0528 U | NA | 0.0640 U | 0.0568 U | 0.0616 U | 0.0556 U | 0.0624 U | 0.0548 U | 0.0634 U | 0.0573 U | | |
| Pesticides | alpha-BHC | NS | NS | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDT | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.319 | NA | 0.165 | 0.033 | 0.166 | 0.213 | 0.396 | 0.164 | 0.137 | 0.257 | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 4.98 | NA | 6.29 | 3.55 | 7.58 | 4.30 | 7.19 | 4.50 | 5.88 | 3.80 | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 25.4 | NA | 43.0 | 48.3 | 23.6 | 18.8 | 54.8 | 58.1 | 26.6 | 23.5 | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.28 U | NA | 0.44 | 0.48 | 0.38 | 0.37 | 0.43 | 0.30 U | 0.37 | 0.34 | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.41 | 0.31 U | 1.87 | 0.35 U | 0.28 U | 0.35 U | 0.29 U | 0.39 | 0.30 U | 0.31 U | 0.30 U | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 12.1 | NA | 12.6 | 7.14 | 10.3 | 7.13 | 12.3 | 7.69 | 9.96 | 8.25 | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 47.6 | 40.05 | 724.75 | 124 | 25.2 | 37.5 | 18.9 | 136 | 160 | 41.1 | 19.0 | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 5.47 | NA | 4.75 | 4.00 | 3.63 | 3.07 | 4.55 | 3.16 | 4.45 | 4.03 | | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | 5.46 U | NA | 6.92 U | 5.58 U | 6.96 U | 5.71 U | 6.74 U | 5.95 U | 6.12 U | 5.83 U | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 2.94 | NA | 0.70 U | 0.56 U | 0.70 U | 0.58 U | 0.68 U | 0.60 U | 0.62 U | 0.59 U | | |
| | Thallium | 8 | 8 | 60 | 60 | 8 | N/A | 3.28 U | NA | 4.89 | 6.11 | 4.18 U | 4.47 | 4.05 U | 3.57 U | 3.67 U | 3.50 U | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 18.5 | NA | 18.0 | 11.9 | 16.0 | 11.7 | 18.7 | 12.3 | 17.9 | 11.1 | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | 32.0 | NA | 93.6 | 66.6 | 30.3 | 17.0 | 72.7 | 77.2 | 27.7 | 17.2 | | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| Metals, TCLP | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ^w | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/l - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as applicable.

PAHs - Polynuclear Aromatic Hydro

Table 15. Summary of Post-Excavation Soil Data - Junior Varsity Baseball Field (WF-4)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.); Sample Date: | | | | | | WFG-8 2-2.5 2/23/2006 | WFG7 | | WFG-8 1.5-2.5 2/23/2006 | WFG-9 | | SB-234 | | SB-234-B 0-0.5 7/31/2008 | SB-234-C 0-0.5 7/31/2008 | SB-234-D 0-0.5 7/31/2008 | SB-235 | | SB-236 | |
|---|------------------------|---|----------|----------|----------|--------|------|-----------------------------|--------------------------|--------------------------|-------------------------------|--------------------|----------------------|------------------|----------------|--------------------------------|--------------------------------|--------------------------------|------------------|----------------|------------------|----------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | 0-1 02/26/09 combo | 1-3 02/26/09 combo | | 0-0.5 2/23/2006 | 0.5-2.5 2/23/2006 | 0.5 7/10/2008 | 2 7/10/2008 | | | | 0.5 7/10/2008 | 2 7/10/2008 | 0.5 7/10/2008 | 2 7/10/2008 |
| | | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | 0.049 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | 0.049 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PAHs / Dibenzofuran (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.500 | NA | NA | 0.300 U | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | NA | 0.176 U | 0.170 U | 0.174 U | 0.169 U |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.700 | NA | NA | 0.300 U | 0.192 U | 0.203 U | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 0.174 U | 0.169 U |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 1.50 | NA | NA | 0.300 U | 0.192 U | 0.203 U | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 0.448 | 0.169 U |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 1.10 | NA | NA | 0.300 U | 0.192 U | 0.203 U | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 0.402 | 0.169 U |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 1.10 | NA | NA | 0.300 U | 0.192 U | 0.203 U | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 0.504 | 0.169 U |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.570 | NA | NA | 0.300 U | 0.192 U | 0.203 U | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 0.282 | 0.169 U |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.400 | NA | NA | 0.300 U | 0.192 U | 0.203 U | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 0.174 U | 0.169 U |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 1.50 | NA | NA | 0.360 U | 0.192 U | 0.215 | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 0.482 | 0.169 U |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.500 | NA | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 0.174 U | 0.169 U |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 2.10 | NA | NA | 0.300 U | 0.192 U | 0.294 | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 0.787 | 0.169 U |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.280 U | NA | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 0.317 | 0.169 U |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 2.10 | NA | NA | 0.340 U | 0.192 U | 0.203 U | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 1.10 | 0.169 U |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 3.50 | NA | NA | 0.300 U | 0.192 U | 0.429 | NA | NA | NA | NA | NA | 0.176 U | 0.170 U | 1.05 | 0.169 U |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.029 U | NA | NA | 0.030 U | 0.043 | 0.034 U | 0.0570 U | 0.0578 U | NA | NA | NA | 0.0515 U | 0.0500 U | 0.0514 U | 0.0500 U |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.029 U | NA | NA | 0.030 U | 0.038 | 0.034 U | 0.108 J | 0.0578 U | NA | NA | NA | 0.0515 U | 0.0500 U | 0.0555 J | 0.0500 U |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.029 U | NA | NA | 0.030 U | 0.081 | 0.034 U | 0.108 J | 0.0578 U | NA | NA | NA | 0.0515 U | 0.0500 U | 0.0555 J | 0.0500 U |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | 0.012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | 0.0085 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | 0.0038 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | 0.004 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.538 | NA | NA | 0.139 | NA | 1.82 | 0.199 | 0.065 | NA | NA | NA | 0.166 | 0.032 | 0.189 | 0.027 |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 16.7 | 9.71 | 7.4 | 24.1 | NA | 20.9 | 42.1 | 11.9 | 3.88 | 7.86 | 9.32 | 7.07 | 3.08 | 7.24 | 2.54 U |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 505 | NA | NA | 49 | NA | 774 | 32.5 | 221 | NA | NA | NA | 26.7 | 16.0 | 31.8 | 14.2 |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | 0.29 U | 0.70 | NA | NA | 0.27 U | 0.32 | 0.26 U | 0.35 |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.677 U | 0.36 J | 0.205 J | 0.728 U | NA | 1.57 | 0.82 | 0.31 U | NA | NA | NA | 0.34 | 0.26 U | 0.38 | 0.26 U |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 23.3 | NA | NA | 11.9 | NA | 33.1 | 19.9 | 9.69 | NA | NA | NA | 13.9 | 5.71 | 22.5 | 6.13 |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 885 | 87.925 | 271.5 | 34.9 | NA | 1,160 | 56.9 | 152 | NA | NA | NA | 47.5 | 6.65 | 44.6 | 3.92 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | 8.10 | 12.4 | NA | NA | NA | 5.89 | 3.43 | 6.73 | 4.36 | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 1.90 U | NA | NA | 2.04 U | NA | 2.26 U | 3.16 | 1.15 | NA | NA | NA | 2.48 | 0.69 | 2.82 | 0.71 |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | 25.3 | 22.4 | NA | NA | NA | 20.3 | 8.82 | 20.7 | 8.12 | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | 33.7 | 63.0 | NA | NA | NA | 34.6 | 14.7 | 31.7 | 18.4 | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | 180 | NA | NA | | | | | | | | | |

Table 15. Summary of Post-Excavation Soil Data - Junior Varsity Baseball Field (WF-4)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.): Sample Date: | | | | | | SB-237 | | JV-1 0-0.5 11/17/2008 | JV-2 0-0.5 11/17/2008 | JV-3 0-0.5 11/17/2008 | JV-4 0-0.5 11/17/2008 | JV-7 0-0.5 11/17/2008 | JV-8 0-0.5 11/17/2008 | JV-11 0-0.5 11/17/2008 | JV-13 0-0.5 11/17/2008 | POST-6 0-0.5 11/19/2008 | POST-7 0.5-0.67 11/20/2008 | POST-8 0.5-0.67 11/20/2008 | POST-9 0.5-1 03/03/09 combo | POST-9 1-3 03/03/09 combo |
|------------------------------|------------------------|---|----------|----------|----------|--------|------|------------------|----------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-------------------------------|----------------------------------|----------------------------------|--------------------------------------|------------------------------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0.5 7/10/2008 | 2 7/10/2008 | | | | | | | | | | | | | |
| | | (mg/kg) | | | | | | | | | | | | | | | | | | | | |
| VOCS | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.177 | U | 0.172 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| PCBs | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0522 | U | 0.0501 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | 0.0522 | U | 0.0501 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | 0.0522 | U | 0.0501 | U | NA | NA | NA | NA | NA | NA | NA | | | | |
| Pesticides | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| Metals, total | | | | | | | | | | | | | | | | | | | | | | |
| (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.217 | 0.019 | NA | NA | NA | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 2.75 | 2.93 | 6.02 | 8.30 | 6.26 | 9.06 | 11.6 | 4.52 | 7.02 | 25.0 | 56.8 | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 50.0 | 19.2 | NA | NA | 33.953 | | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.27 | U | 0.42 | NA | NA | NA | NA | NA | NA | NA | 19.315 | | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.56 | 0.26 | U | NA | NA | NA | NA | NA | NA | NA | 0.29 | | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 27.6 | 7.88 | NA | NA | 0.52 J | | | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 269 | 3.74 | NA | NA | 15.61 | | | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 6.03 | 4.33 | NA | NA | 272 | | | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 4.68 | 0.87 | NA | NA | NA | | | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 11.4 | 11.2 | NA | NA | NA | | | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | 118 | 16.1 | NA | NA | NA | | | | |
| Total Petroleum Hydrocarbons | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | |
| (mg/kg) | | | | | | | | | | | | | | | | | | | | | | |

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1/TCPL standards as applicable.

VOCS - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

* - TRC developed Method 1 standards.

Table 15. Summary of Post-Excavation Soil Data - Junior Varsity Baseball Field (WF-4)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | POST-10A 1-3 03/03/09 | POST-10B 1-3 03/03/09 | POST-10C 1-3 03/03/09 | POST-10D 1-3 03/03/09 | POST-10I 0-1 03/25/09 | POST-10L 0-1 03/25/09 | JV-A 0-1 04/16/09 | JV-B 0.83-1 04/15/09 | JV-I 0-1 04/16/09 | JV-J 0-1 04/16/09 | JV-JJ 1.5-3 04/16/09 | JV-KK 1.5-3 04/16/09 | JV-LL 1.5-3 08/18/09 | JV-MM 1.5-3 08/18/09 | JV-N 0-1 04/16/09 | JV-NN 1.5-3 08/18/09 | | | | | | | | | | | | | | |
|---|------------------------|---------------------|----------|--------------|----------|--------|------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|-------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-------------------------|----------------------------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | Sample Depth (ft.): | | Sample Date: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| PAHs / Dibenzofuran (mg/kg) | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Benz(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Benz(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Benz(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 10.44 | 48.6 | 10.7 | 3.57 | 15.7 | 8.07 | 5.71 | 10.9 | 16.4 | 6.62 | NA | 2.7 | 7.6 | 2.7 | 7.34 | 12 | | | | | | | | | | | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.28 | U | 0.28 | U | 0.31 | U | 0.30 | U | NA | NA | 0.4188 | J | 0.27 | U | 0.30 | U | 0.37 | | | | | | | | | | | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 29.6 | 53.6 | 121 | 78.5 | 33.3 | 24.7 | NA | NA | NA | NA | 853.8 | 16 | 20 | 64 | NA | 38 | | | | | | | | | | | | | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | | | | | | | | | | | | | |

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1/TCLP standards as applicable.

VOCs - Volatile Organic Compounds.

PAH

Table 15. Summary of Post-Excavation Soil Data - Junior Varsity Baseball Field (WF-4)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.): Sample Date: | | | | | | JV-O | JV-OO | JV-P | JV-PP | JV-Q | JV-QQ | JV-R | JV-S | JV-T | JV-U | JV-V |
|---|------------------------|---|----------|----------|----------|--------|------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-----------------|-----------------|-----------------|-----------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 0.25-1 04/15/09 | 1.5-3 08/18/09 | 0.83-1 04/15/09 | 1.5-3 08/18/09 | 0.83-1 04/15/09 | 1.5-3 08/18/09 | 0.83-1 04/15/09 | 0-1 04/16/09 | 0-1 04/16/09 | 0-1 04/16/09 | 0-1 04/16/09 |
| VOCs (mg/kg) | m & p-Xylene | 300 | 500 | 300 | 1,000 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| PAHs / Dibenzofuran (mg/kg) | Dibenzofuran | | | | | | | | | | | | | | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Aroclor 1260 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Pesticides (mg/kg) | alpha-BHC | 0.1* | 0.1* | NS | NS | 50 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | 4,4'-DDE | 3 | 3 | 20 | 20 | 3 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Heptachlor epoxide | 0.09 | 0.09 | 0.7 | 0.7 | 0.09 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Hexachlorobenzene | 0.7 | 0.7 | 5 | 5 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 70.8 | 6.8 | 37.5 | 13 | 16.3 | 5.3 | 30.9 | 36.1 | 10.5 | 6.68 | 6.41 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | 0.28 | U | NA | 0.29 | U | NA | NA | NA | NA | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | 25 | NA | 9.6 | NA | 63 | NA | NA | NA | NA | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1/TCLP standards as applicable.

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

2006 data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

* - TRC developed Method 1 standards.

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected

Values shown in **Bold** and shaded type exceed one

EPH - Extractable Petroleum Hydrocarbons

PCBs - Polychlorinated Biphenyls

RC - Reportable Concentration

TSCA - Toxic Substances Control Act criteria

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(b) SW 846 (Chapter 3, Table 3)

(1) असाधारण Chapter 7, Table 7-1, अर्जुनिना

* - IFC developed Method 1 standards.

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.) Sample Date: | | | | | | WFC2-C | WFC2-D | WFC2-E | WFC2-F | WFC2-G | WFC2-H | WHD-1 | WFD-2 | | WFD-3 | WFD-4 | | SB-252 | SB-252CA | SB-252CB |
|--------------------------------------|-------------------------|--|-----------------|-----------------|-----------------|-----------------|-----------------------|--------------------|-----------------------|--------------------|--------------------|--------------------|-----------|---------|---------|--------|---------|--------|---------|----------|----------|----------|
| | | 1-3 02/23/09 | 1-3 02/23/09 | 1-3 02/17/09 | 1-3 02/23/09 | 1-3 02/23/09 | 1.25-2.5 2/23/2006 | 0-0.5 2/23/2006 | 0.75-2.5 2/23/2006 | 1-2.5 2/23/2006 | 0-0.5 2/23/2006 | 2-2.5 2/23/2006 | 7/15/2008 | 4/08/09 | 4/08/09 | | | | | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.65 | NA | NA | NA | NA | NA |
| EPH (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | 0.084 | NA | 0.059 | 0.850 U | NA | 0.550 U | NA | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | 0.140 | NA | 0.078 | 0.850 U | NA | 0.550 U | 0.191 U | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | 0.230 | NA | 0.460 | 0.850 U | NA | 3.20 | 0.191 U | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.410 | NA | 0.680 | 0.850 U | NA | 5.20 | 0.191 U | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | 0.940 | NA | 1.80 | 0.850 U | NA | 7.20 | 0.191 U | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | 0.970 | NA | 1.50 | 0.850 U | NA | 3.90 | 0.191 U | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | 0.820 | NA | 1.20 | 0.850 U | NA | 2.40 | 0.191 U | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.490 | NA | 0.600 | 0.850 U | NA | 0.910 | 0.191 U | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | 0.830 | NA | 1.70 | 0.850 U | NA | 3.70 | 0.191 U | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | 0.920 | NA | 1.10 | 0.850 U | NA | 5.50 | 0.191 U | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | 0.230 | NA | 0.290 | 0.850 U | NA | 0.830 | 0.191 U | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 1.90 | NA | 2.70 | 1.50 | NA | 7.90 | 0.191 U | NA | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 0.150 | NA | 0.120 | 0.850 U | NA | 0.550 U | 0.191 U | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | 0.440 | NA | 0.540 | 0.850 U | NA | 0.920 | 0.191 U | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | 0.067 | NA | 0.071 | 0.850 U | NA | 0.550 U | 0.191 U | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | 1.60 | NA | 1.80 | 1.10 | NA | 6.20 | 0.191 U | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 2.0 | NA | 3.20 | 1.0 | NA | 16.0 | 0.191 U | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | 0.1 U | 0.11 U | 0.11 U | 0.17 U | 0.12 U | 0.11 U | 0.0556 U | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | 0.2 U | 0.22 U | 0.22 U | 0.34 U | 0.23 U | 0.21 U | 0.0556 U | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | 0.231 | NA | 0.187 | 0.737 | NA | 0.077 | 0.117 | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 10.3 | 10.01 | 54.05 | 31.5 | 10.0 | 10.8 | 5.11 | NA | 2.66 | 5.95 | NA | 1.65 | 7.82 | 11.1 | 25.1 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 91 | NA | 182 | 237 | NA | 21 | 24.3 | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.47 | NA | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA | NA | 0.47 | NA | 0.40 | 1.27 | NA | 0.41 | 0.29 U | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | 8.60 | NA | 8.52 | 56 | NA | 4.81 | 8.18 | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 514 | 161.45 | 6.74 | NA | 56.1 | NA | 184 | NA | 294 | 882 | NA | 24 | 23.5 | 63.1 | 24.8 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 3.76 | NA | NA | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | NA | NA | NA | 0.77 U | NA | 0.67 U | 1.06 U | NA | 0.69 U | 5.71 U | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | 0.39 U | NA | 0.33 U | 0.53 U | NA | 0.34 U | 1.15 | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 14.6 | NA | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 20.4 | NA | NA | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 73 | NA | NA | 984 | NA | NA | NA | NA | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | 7.7 U | NA | NA | NA | NA | NA | |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0** | NA | NA | NA | NA | NA | NA | 0.2 | NA | NA | 1.1 | NA | NA | NA | NA | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | NA | NA | >200 | NA | NA | >200 | NA | NA | NA | NA | NA |

Notes:

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | SB-252CC | SB-252CD | SB-252CG | SB-252DA | SB-252DB | SB-252DC | SB-252DD | SB-253 | SB-254 | | SB-255 | | SB-268 | SB-269 | SB-357 | |
|--------------------------------------|------------------------|---------------------|----------|----------|----------|--------|------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------------|---------------|--------------|------------------|----------------|-----------------|--------------|----------------|------------------|------------------|-----|
| | | Sample Depth (ft.): | | | | | | 1-3 04/08/09 | 1-3 04/08/09 | 1-3 04/08/09 | 1-3 04/08/09 | 1-3 04/08/09 | 2 04/08/09 combo | 2 04/08/09 | 7/15/2008 | 0.5 7/15/2008 | 2 7/15/2008 | 7/15/2008 | 7/15/2008 | 1 7/15/2008 | 0-1 7/15/2008 | 1-2 7/15/2008 | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| EPH (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | 0.193 U | 0.180 U | 0.259 | 0.183 U | 0.177 U | 0.187 U | 0.171 U | 0.201 U | 0.195 U | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | 0.193 U | 0.180 U | 0.510 | 0.183 U | 0.177 U | 0.187 U | 0.171 U | 0.201 U | 0.195 U | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | 0.193 U | 0.180 U | 0.995 | 0.183 U | 0.177 U | 0.187 U | 0.171 U | 0.201 U | 0.195 U | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | 0.232 | 0.654 | 3.30 | 0.325 | 0.480 | 0.187 U | 0.171 U | 0.242 | 0.773 | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | 0.242 | 0.667 | 2.98 | 0.349 | 0.510 | 0.187 U | 0.171 U | 0.233 | 0.779 | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | 0.261 | 0.870 | 3.48 | 0.411 | 0.540 | 0.187 U | 0.171 U | 0.223 | 0.923 | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | 0.217 | 0.778 | 2.76 | 0.294 | 0.499 | 0.373 U | 0.342 U | 0.201 U | 0.344 | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | 0.193 U | 0.270 | 1.29 | 0.183 U | 0.197 | 0.187 U | 0.171 U | 0.201 U | 0.383 | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | 0.228 | 0.738 | 3.56 | 0.355 | 0.504 | 0.187 U | 0.171 U | 0.267 | 0.863 | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | 0.193 U | 0.360 U | 0.711 | 0.366 U | 0.177 U | 0.373 U | 0.342 U | 0.201 U | 0.195 U | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | 0.403 | 1.08 | 4.37 | 0.599 | 0.714 | 0.324 | 0.171 U | 0.348 | 1.40 | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | 0.193 U | 0.180 U | 0.395 | 0.183 U | 0.177 U | 0.187 U | 0.171 U | 0.201 U | 0.195 U | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | 0.230 | 0.762 | 3.12 | 0.312 | 0.469 | 0.373 U | 0.342 U | 0.201 U | 0.489 | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | 0.193 U | 0.180 U | 0.246 | 0.183 U | 0.177 U | 0.187 U | 0.171 U | 0.201 U | 0.195 U | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | 0.234 | 0.820 | 3.77 | 0.344 | 0.453 | 0.259 | 0.171 U | 0.286 | 0.780 | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | 0.480 | 1.63 | 5.07 | 0.608 | 0.990 | 0.320 | 0.192 | 0.659 | 1.30 | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | I | NA | NA | NA | NA | NA | 0.0538 U | 0.0524 U | 0.0501 U | 0.0506 U | 0.126 J | 0.0727 J | 0.0507 U | 0.0596 U | 0.0558 U | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | I | NA | NA | NA | NA | NA | 0.0538 U | 0.0524 U | 0.0501 U | 0.0506 U | 0.126 J | 0.0727 J | 0.0507 U | 0.0596 U | 0.0558 U | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | 0.354 | 0.295 | 0.730 | 0.238 | 0.198 | 0.183 | 0.222 | 0.282 | 0.340 | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 119 | 4.50 | 18.3 | 5.23 | 4.60 | 4.48 | 14.0 | 11.0 | 8.98 | 7.41 | 5.41 | 5.53 | 6.51 | 8.75 | 6.20 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | 26.3 | 34.3 | 98.9 | 40.3 | 366 | 21.5 | 25.0 | 54.2 | 66.5 | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | 0.39 | 0.27 U | 0.27 U | 0.28 U | 0.42 | 0.28 U | 0.26 U | 0.37 | 0.42 | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA | 0.29 U | 0.27 U | 0.27 U | 0.40 | 0.51 | 0.28 U | 0.29 | 0.31 U | 0.39 | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | 9.72 | 8.70 | 14.0 | 10.4 | 7.60 | 7.97 | 8.12 | 11.3 | 9.53 | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 118 | 433 | NA | 329 | 77.7 | 112.5 | 100 | 41.0 | 109 | 532 | 79.6 | 131 | 39.0 | 43.8 | 125 | 233 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | 3.95 | 5.29 | 6.37 | 5.08 | 5.27 | 4.51 | 5.14 | 4.55 | 5.57 | | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | NA | NA | 5.78 U | 5.39 U | 5.25 U | 5.48 U | 5.30 U | 5.59 U | 5.13 U | 6.03 U | 5.85 U | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | 1.45 | 2.89 | 4.31 | 2.70 | 1.31 | 2.52 | 2.99 | 0.61 U | 0.59 U | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | 16.5 | 17.6 | 13.0 | 16.8 | 14.8 | 14.9 | 15.3 | 19.1 | 13.7 | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA | 22.1 | 33.6 | 24.7 | 52.2 | 118 | 43.1 | 32.9 | 50.3 | 86.8 | | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | | | | | | | | | | | | | | | | | | |

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected

Values shown in **Bold** and shaded type exceed one

EPM - Extractable Petroleum Hydrocarbons

PCB-1 Polychlorinated Biphenyl

PCPs - Polycondensed Biphenyls

PCP: Reversible Conformation

RC = Reportable Concentration.

TSCA - Toxic Substances Control Act

Data are based on the "Summary of

(1) - SW-846 Chapter 7, Table 7-1, Maximum Concentration

* - TRC developed Method 1 standards.

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.): Sample Date: | | | | | | POST-1A | POST-1B | POST-1C | POST-1D | POST-1E | POST-1F | POST-1G | POST-1H | POST-2A | POST-2B | POST-2C | POST-2D | POST-2E | POST-2H |
|--------------------------------------|-------------------------|---|----------|----------|----------|--------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 1-3 02/17/09 | 1-3 02/24/09 | 1-3 02/24/09 | 1-3 02/24/09 | 1-3 02/24/09 | 1-3 02/24/09 | 1-3 02/24/09 | |
| | | | | | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA |
| EPH (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 4.56 | 3.80 | 3.89 | 2.72 U | 4.50 | 3.59 | 4.03 | 2.82 U | 6.88 | 5.26 | 4.985 | 3.51 | 29.2 | 2.93 U |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 48.6 | 26.7 | 58.0 | 25.2 | NA | NA | NA | 34.8 | NA | 95.5 | 116 | NA | 27.6 | 71.3 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0** | NA | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards or TCLP standard, as applicable.

EPH - Extractable Petroleum Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(I) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

* - TRC developed Method 1 standards.

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.); Sample Date: | | | | | | POST-3A | | | POST-3B | | | POST-3C | | | POST-3D | | | POST-3E | | | POST-3F | | |
|---|-------------------------|---|----------|----------|----------|--------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 1.5-2 02/16/09 | 2-2.5 02/16/09 | 2.5-3 02/16/09 |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA |
| EPH (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 6.59 | 5.36 | 4.82 | 3.19 | 5.29 | 6.43 | 5.15 | 6.04 | 5.99 | 5.26 | 6.45 | 6.88 | 2.71 U | 8.30 | 5.78 | 4.49 | 3.02 | 4.46 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 340 | 74.7 | 32.1 | 150 | 113 | 30.8 | 313 | 17.9 | 18.1 | 156 | 105 | 20.7 | 31.3 | 163 | 13.8 | 18.2 | 207 | 11.0 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA |
| Metals, TCLP (mg/L) | [Lead, TCLP] | NS | NS | NS | NS | NS | 5.0 ⁽¹⁾ | NA |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | | | | | | | | | | | | | | | | | | | | |

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.); Sample Date: | | | | | | POST-3G | | | POST-3H | | | POST-3I | | | POST-3J | | | POST-3K | | | POST-3L | | | |
|--------------------------------------|-------------------------|---|----------|----------|----------|--------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 1.5-2 02/17/09 | 2-2.5 02/17/09 | 2.5-3 02/17/09 | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | |
| EPH (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 3.42 | 2.68 U | 5.48 | 5.05 | 3.71 | 6.34 | 4.84 | 3.35 | 4.64 | 4.76 | 6.24 | 7.62 | 4.87 | 3.51 | 2.69 U | 5.04 | 7.47 | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | 615 | 42.1 | 59.5 | 127 | 30.5 | 272 | 239 | 87.8 | 54.6 | 197 | 69.4 | 120 | 43.1 | 68.1 | 33.3 | 93.0 | 200 | 98.9 |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0** | NA | |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | NA | NA | NA | | | | | | | | | | | | | | | |

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.): Sample Date: | | | | | | POST-3M | | POST-3N | | | POST-3O | | | POST-3P | | | POST-3Q | | | POST-3 (R) | | | | |
|--------------------------------------|-------------------------|---|----------|----------|----------|--------|------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----------------------|--------------------|--------------------|-----------------------|--------------------|
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | 1.5-2 02/17/09 | 2.5-3 02/17/09 | 1.5-2 02/20/09 | 2.2-5 02/20/09 | 2.5-3 02/20/09 | 1.33-1.67 02/16/09 | 1.67-2 02/16/09 | 2-2.33 02/16/09 | 2.33-2.67 02/16/09 | 2.67-3 02/16/09 |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA |
| EPH (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 2.70 U | 4.73 | 3.13 | 5.48 | 4.97 | 2.70 U | 5.59 | 5.51 | 3.61 | 2.72 U | 2.87 | 4.26 | 6.09 | 4.27 | 2.69 U | 4.22 | 5.17 | 5.67 | 6.31 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 45.1 | 15.5 | 119 | 76.3 | 18.3 | 9.28 | 430 | 53.8 | 28.2 | 2.49 | 66.4 | 4.01 | 152 | 16.4 | 11.7 | 280 | 45.4 | 13.3 | 12.3 |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | NA | NA | NA | NA |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | NA | NA | NA | NA | NA |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | | | | | | | | | | | | | | | | | |

TABLE 16
summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L = milligrams per liter

NA - Sample not analyzed for the listed analytic.

N/A - Not applicable

H_2 -Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Yesterdays - Today's - Tomorrows

VALUES SHOWN IN BOLD AND SHADDED TYPE EXCEED THOSE OF NATURE IN
EPMI. P < 0.05; H, P < 0.01; A, P < 0.001.

EPA - Extractable Petroleum Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act

Data are based on the "Summary of Analytical LD

(1) - SW-846 Chapter 7, Table 7-1, Maximum C

* - TRC developed Method 1 standards.

115058 New Bedford

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

Notes

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L = milligrams per liter

NA - Sample not analyzed for the listed analyte

N/A : Not applicable

NA - Not applicable.

Values in bold indicate the compound was detected.

Values in Bold indicate the compound was detected.

values shown in bold and shaded type exceed or

EPTH - Extractable Petroleum Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control

Data are based on the "Summary of Analytical Data".

(I) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

* - TRC developed Method I standards.

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.): Sample Date: | | | | | | | WFV-39 | WFV-42 | WFV-45 | WFV-48 | WFV-50 | WFV-52 | WFV-54 | WFV-56 | WFV-58 | WFV-60 | WFV-62 | WFV-64 | WFV-67 | WFV-68 | WFV-72 | WFV-73 | WFV-74 | WFV-75 | WFV-76 |
|-----------------------|------------------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | 0-1 05/27/09 | 0-1 05/27/09 | 0-1 05/27/09 | 0-1 06/11/09 | 0-1 06/11/09 | 0-1 06/11/09 | 0-1 06/11/09 | WFV-39 | WFV-42 | WFV-45 | WFV-48 | WFV-50 | WFV-52 | WFV-54 | WFV-56 | WFV-58 | WFV-60 | WFV-62 | WFV-64 | WFV-67 | WFV-68 | WFV-72 | WFV-73 | WFV-74 | WFV-75 | WFV-76 |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| EPH (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benz(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Diben(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 9.57 | 17.3 | 8.11 | 3.74 | 13 | 17 | 20 | 17 | 28 | 26 | 17 | 22 | 10 | 9.2 | 58 | 6.1 | 89 | 39 | 8.8 | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | Zinc | 2,500 | 2,500 | 3,000</td | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: Sample Depth (ft.); Sample Date: | | | | | | WFV-77 | WFV-78 | WFV-79 | WFV-80 | WFV-81 | WFV-82 | WFV-83 | WFV-84 | WTR-SS-02 | WTR-SS-03 | WTR-SS-04 | WTR-SS-05 | WTR-SS-06 | WTR-SS-07 | WTR-SS-08 | WTR-SS-09 | WTR-SS-10 | WTR-SS-11 | WTR-SS-12 |
|-----------------------|------------------------|---|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------|-----------|-----------|
| | | 1.5-3 08/18/09 | 1.5-3 08/18/09 | 1.5-3 08/18/09 | 1.5-3 08/18/09 | 1.5-3 08/18/09 | 0-0.5 3/19/2009 | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | | |
| EPH (mg/kg) | Dibenzofuran | 10* | 10* | NS | NS | 100 | N/A | NA | NA | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | NA | 0.204 U | 0.183 U | 0.1835 U | 0.191 U | 0.176 U | 0.199 U | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.206 U | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | NA | 0.204 U | 0.183 U | 0.1835 U | 0.191 U | 0.176 U | 0.199 U | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.206 U | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 0.204 U | 0.183 U | 0.1835 U | 0.191 U | 0.176 U | 0.199 U | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.406 U | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | NA | 0.204 U | 0.185 U | 0.1835 U | 0.197 | 0.176 U | 0.380 | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.913 | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | NA | 0.204 U | 0.215 U | 0.1835 U | 0.248 | 0.176 U | 0.408 | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.818 | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | NA | 0.204 U | 0.183 U | 0.1835 U | 0.191 U | 0.176 U | 0.217 | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.920 | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 0.204 U | 0.183 U | 0.1835 U | 0.191 U | 0.176 U | 0.199 U | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.474 | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | NA | 0.204 U | 0.183 U | 0.1835 U | 0.191 U | 0.176 U | 0.199 U | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.365 | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | NA | 0.204 U | 0.193 U | 0.1835 U | 0.234 | 0.176 U | 0.421 | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.945 | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | NA | 0.204 U | 0.183 U | 0.1835 U | 0.191 U | 0.176 U | 0.199 U | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.206 U | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 0.204 U | 0.274 U | 0.1835 U | 0.272 | 0.176 U | 0.590 | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 1.39 | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 0.204 U | 0.183 U | 0.1835 U | 0.191 U | 0.176 U | 0.199 U | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.206 U | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | NA | 0.204 U | 0.183 U | 0.1835 U | 0.191 U | 0.176 U | 0.247 | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.650 | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | NA | 0.204 U | 0.183 U | 0.1835 U | 0.191 U | 0.176 U | 0.199 U | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 0.206 U | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | NA | 0.204 U | 0.206 U | 0.1835 U | 0.191 U | 0.176 U | 0.674 | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 1.88 | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | 0.204 U | 0.412 U | 0.1835 U | 0.424 | 0.176 U | 1.03 | 0.193 U | 0.181 U | 0.186 U | 0.173 U | 1.87 | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | NA | 0.127 | 0.074 | 0.0595 | 0.117 | 0.031 | 0.169 | 0.062 | 0.014 U | 0.016 U | 0.014 U | 0.172 | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 2.7 U | 3.8 J | 7.7 | 2.7 U | 40 | 5.3 | 6.9 | 2.8 U | 7.59 | 5.23 | 14.9 | 4.95 | 4.51 | 4.34 | 3.20 | 4.49 | 5.86 | 3.44 | 5.47 |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | NA | NA | 35.1 | 55.7 | 49.1 | 71.2 | 107 | 215 | 64.5 | 126 | 157 | 112 | 29.4 | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | NA | 0.31 U | 0.28 U | 0.28 U | 0.29 U | 0.27 U | 0.30 U | 0.29 U | 0.28 U | 0.28 U | 0.26 U | 0.31 U | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | NA | 0.31 U | 0.28 U | 0.28 U | 0.33 | 0.27 U | 0.38 | 0.29 U | 0.28 U | 0.28 U | 0.26 U | 0.31 U | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | NA | 11.4 | 26.2 | 12.1 | 30.6 | 39.8 | 10.6 | 36.1 | 85.0 | 76.6 | 71.4 | 9.55 | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 47 | 103.5</ | | | | | | | | | | | | | | | | | |

TABLE 16
Summary of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | Sample Location: | | | | | | WTR-SS-13 0-0.5 3/19/2009 | WTR-SS-14 0-0.5 3/19/2009 | WTR-SS-15 0-0.5 3/19/2009 | WTR-SS-16 0-0.5 3/19/2009 | NAP-SS-01 0-0.5 3/19/2009 | NAP-SS-02 0-0.5 3/19/2009 | NAP-SS-03 0-0.5 3/19/2009 | NAP-SS-04 0-0.5 3/19/2009 | | | | | | | | | |
|--------------------------------------|-------------------------|---------------------|-----------------|--------------|----------|--------|-------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--|--|--|--|--|--|--|--|--|
| | | Sample Depth (ft.): | | Sample Date: | | | | | | | | | | | | | | | | | | | | |
| | | S-1/GW-2 | S-1/GW-3 | S-2/GW-2 | S-2/GW-3 | RC S-1 | TSCA | | | | | | | | | | | | | | | | | |
| VOCs (mg/kg) | Bromomethane | 0.5 | 30 | 0.5 | 30 | 0.5 | N/A | NA | NA | NA | 0.013 U | 0.012 U | 0.014 U | 0.012 U | | | | | | | | | | |
| EPH (mg/kg) | Dibenzofuran | 10 ^a | 10 ^a | NS | NS | 100 | N/A | NA | NA | NA | 0.41 U | 0.40 U | 0.40 U | 0.41 U | | | | | | | | | | |
| | Acenaphthene | 1,000 | 1,000 | 3,000 | 3,000 | 4 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | | | | | | | | | |
| | Acenaphthylene | 600 | 10 | 600 | 10 | 1 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | | | | | | | | | |
| | Anthracene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.252 | 0.200 U | 0.203 U | | | | | | | | | |
| | Benzo(a)anthracene | 7 | 7 | 40 | 40 | 7 | N/A | 0.178 U | 0.279 | 0.195 U | 0.177 U | 0.205 U | 0.445 | 0.200 U | 0.203 U | | | | | | | | | |
| | Benzo(a)pyrene | 2 | 2 | 4 | 4 | 2 | N/A | 0.178 U | 0.296 | 0.195 U | 0.177 U | 0.205 U | 0.356 | 0.200 U | 0.203 U | | | | | | | | | |
| | Benzo(b)fluoranthene | 7 | 7 | 40 | 40 | 7 | N/A | 0.178 U | 0.336 | 0.195 U | 0.177 U | 0.205 U | 0.400 | 0.200 U | 0.203 U | | | | | | | | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.178 U | 0.191 | 0.195 U | 0.177 U | 0.205 U | 0.239 | 0.200 U | 0.203 U | | | | | | | | | |
| | Benzo(k)fluoranthene | 70 | 70 | 400 | 400 | 70 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | | | | | | | | | |
| | Chrysene | 70 | 70 | 400 | 400 | 70 | N/A | 0.178 U | 0.310 | 0.195 U | 0.177 U | 0.205 U | 0.460 | 0.200 U | 0.203 U | | | | | | | | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 4 | 4 | 0.7 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | | | | | | | | | |
| | Fluoranthene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.178 U | 0.421 | 0.195 U | 0.177 U | 0.205 U | 0.755 | 0.200 U | 0.203 U | | | | | | | | | |
| | Fluorene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | | | | | | | | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 40 | 40 | 7 | N/A | 0.178 U | 0.235 | 0.195 U | 0.177 U | 0.205 U | 0.292 | 0.200 U | 0.203 U | | | | | | | | | |
| | Naphthalene | 40 | 500 | 40 | 1,000 | 4 | N/A | 0.178 U | 0.187 U | 0.195 U | 0.177 U | 0.205 U | 0.198 U | 0.200 U | 0.203 U | | | | | | | | | |
| | Phenanthrene | 500 | 500 | 1,000 | 1,000 | 10 | N/A | 0.178 U | 0.308 | 0.195 U | 0.177 U | 0.205 U | 1.02 | 0.200 U | 0.203 U | | | | | | | | | |
| | Pyrene | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 0.178 U | 0.612 | 0.195 U | 0.209 | 0.41 U | 0.40 U | 0.40 U | 0.41 U | | | | | | | | | |
| PCBs (mg/kg) | Aroclor 1254 | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | 0.123 U | 0.119 U | 0.120 U | 0.122 U | | | | | | | | | |
| | Total PCBs | 2 | 2 | 3 | 3 | 2 | 1 | NA | NA | NA | NA | 0.123 U | 0.119 U | 0.120 U | 0.122 U | | | | | | | | | |
| Metals, total (mg/kg) | Mercury | 20 | 20 | 30 | 30 | 20 | N/A | 0.034 | 0.114 | 0.057 | 0.026 | 0.162 | 0.162 | 0.138 | 0.154 | | | | | | | | | |
| | Arsenic | 20 | 20 | 20 | 20 | 20 | N/A | 4.16 | 10.1 | 59.3 | 6.60 | 5.49 | 7.34 | 4.80 | 6.51 | | | | | | | | | |
| | Barium | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | 108 | 80.8 | 54.5 | 35.6 | NA | NA | NA | NA | | | | | | | | | |
| | Beryllium | 100 | 100 | 200 | 200 | 100 | N/A | 0.27 U | 0.28 U | 0.30 U | 0.27 U | NA | NA | NA | NA | | | | | | | | | |
| | Cadmium | 2 | 2 | 30 | 30 | 2 | N/A | 0.27 U | 0.29 | 0.29 | 0.27 U | 0.32 | 0.30 U | 0.30 U | 0.31 U | | | | | | | | | |
| | Chromium | 30 | 30 | 200 | 200 | 30 | N/A | 48.9 | 33.6 | 18.2 | 15.0 | 12.7 | 11.9 | 8.18 | 9.58 | | | | | | | | | |
| | Lead | 300 | 300 | 300 | 300 | 300 | N/A | 10.9 | 82.8 | 36.5 | 19.3 | 73.5 | 99.7 | 123 | 52.9 | | | | | | | | | |
| | Nickel | 20 | 20 | 700 | 700 | 20 | N/A | 23.3 | 17.1 | 9.69 | 8.77 | NA | NA | NA | NA | | | | | | | | | |
| | Selenium | 400 | 400 | 800 | 800 | 400 | N/A | 5.34 U | 5.60 U | 5.84 U | 5.31 U | NA | NA | NA | NA | | | | | | | | | |
| | Silver | 100 | 100 | 200 | 200 | 100 | N/A | 0.54 U | 0.56 U | 0.59 U | 0.54 U | NA | NA | NA | NA | | | | | | | | | |
| | Vanadium | 600 | 600 | 1,000 | 1,000 | 600 | N/A | 33.5 | 21.8 | 20.0 | 17.1 | NA | NA | NA | NA | | | | | | | | | |
| | Zinc | 2,500 | 2,500 | 3,000 | 3,000 | 2,500 | N/A | 36.8 | 82.9 | 29.9 | 31.1 | NA | NA | NA | NA | | | | | | | | | |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | NA | NA | NA | 24 | 22 | 35 | 51 | | | | | | | | | |
| | Gasoline Range Organics | 1,000 | 1,000 | 3,000 | 3,000 | 1,000 | N/A | NA | | | | | | | | | |
| Metals, TCLP (mg/L) | Lead, TCLP | NS | NS | NS | NS | NS | 5.0 ^{**} | NA | | | | | | | | | |
| Flashpoint (°F) | Flashpoint | NS | NS | NS | NS | NS | N/A | NA | | | | | | | | | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

U - Compound was not detected at specified quantitation limit.

Values in Bold indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed Method I standards or TCLP standard, as applicable.

EPH - Extractable Petroleum Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, Walsh Field" dated June 9, 2006, BETA Group, Inc.

(I) - SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.

* - TRC developed Method I standards.

TABLE 17
Summary Statistics of Post-Excavation Soil Data - Football Field (WF-1)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | | | | # of Samples | # of Detects | Freq. of Detects | Min. of Detects (mg/kg) | Max. of Detects (mg/kg) | Location of Max. Detected | Min. of Non-Detects (mg/kg) | Max. of Non-Detects (mg/kg) | Mean Concentration (mg/kg) | EPC (mg/kg) | EPC Rationale |
|---|------------------------|----------|----------|------------|--------------|--------------|------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|-------------|------------------|
| | | S-1/GW-2 | S-1/GW-3 | Background | | | | | | | | | | | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | |
| | Acenaphthylene | 600 | 10 | 0.5 | 23 | 3 | 13.0% | 0.37 | 0.68 | WFD-13 | 0.065 | 0.37 | 1.7E-01 | 1.7E-01 | Mean |
| | Anthracene | 1,000 | 1,000 | 1 | 23 | 3 | 13.0% | 0.37 | 0.67 | WFF-13 | 0.065 | 0.37 | 1.7E-01 | NA | Below background |
| | Benzo(a)anthracene | 7 | 7 | 2 | 23 | 12 | 52.2% | 0.202 | 3.2 | WFF-11 | 0.065 | 0.31 | 4.7E-01 | 4.7E-01 | Mean |
| | Benzo(a)pyrene | 2 | 2 | 2 | 23 | 11 | 47.8% | 0.204 | 3.5 | WFF-11 | 0.065 | 0.31 | 4.7E-01 | 4.7E-01 | Mean |
| | Benzo(b)fluoranthene | 7 | 7 | 2 | 23 | 14 | 60.9% | 0.233 | 3.7 | WFF-11 | 0.065 | 0.31 | 5.4E-01 | 5.4E-01 | Mean |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 1 | 23 | 7 | 30.4% | 0.193 | 2.3 | WFF-11 | 0.065 | 0.31 | 3.1E-01 | 3.1E-01 | Mean |
| | Benzo(k)fluoranthene | 70 | 70 | 1 | 23 | 3 | 13.0% | 0.64 | 2.4 | WFF-13 | 0.065 | 0.37 | 2.9E-01 | 2.9E-01 | Mean |
| | Chrysene | 70 | 70 | 2 | 23 | 13 | 56.5% | 0.215 | 3.1 | WFF-11 | 0.065 | 0.31 | 5.2E-01 | 5.2E-01 | Mean |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 0.5 | 23 | 5 | 21.7% | 0.31 | 2 | WFF-11 | 0.065 | 0.31 | 2.5E-01 | 2.5E-01 | Mean |
| | Fluoranthene | 1,000 | 1,000 | 4 | 23 | 15 | 65.2% | 0.228 | 5.1 | WFF-13 | 0.065 | 0.31 | 8.5E-01 | 8.5E-01 | Mean |
| | Fluorene | 1,000 | 1,000 | 1 | 23 | 1 | 4.3% | 0.39 | 0.39 | WFF-13 | 0.065 | 0.37 | 1.3E-01 | NA | Below background |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 1 | 23 | 4 | 17.4% | 0.219 | 0.76 | WFF-13 | 0.065 | 0.37 | 1.8E-01 | NA | Below background |
| | Phenanthrene | 500 | 500 | 3 | 23 | 12 | 52.2% | 0.23 | 5.3 | WFF-13 | 0.065 | 0.31 | 5.6E-01 | 5.6E-01 | Mean |
| | Pyrene | 1,000 | 1,000 | 4 | 23 | 17 | 73.9% | 0.067 | 6.3 | WFF-13 | 0.191 | 0.31 | 9.4E-01 | 9.4E-01 | Mean |
| PCBs | Total PCBs | 2 | 2 | NA | 28 | 3 | 10.7% | 0.04 | 0.185 | WFF-11 | 0.025 | 0.27 | 5.0E-02 | 5.0E-02 | Mcan |
| Pesticides | | | | | | | | | | | | | | | |
| | 4,4'-DDE | 3 | 3 | NA | 2 | 1 | 50.0% | 0.019 | 0.019 | WFA-12 | 0.0016 | 0.0016 | 9.9E-03 | 9.9E-03 | Mean |
| | 4,4'-DDT | 3 | 3 | NA | 2 | 1 | 50.0% | 0.0062 | 0.0062 | WFA-12 | 0.0016 | 0.0016 | 3.5E-03 | 3.5E-03 | Mean |
| | Endosulfan sulfate | 200 | 20 | NA | 2 | 1 | 50.0% | 0.0047 | 0.0047 | WFE-11 | 0.0019 | 0.0019 | 2.8E-03 | 2.8E-03 | Mean |
| Metals, total (mg/kg) | | | | | | | | | | | | | | | |
| | Mercury | 20 | 20 | 0.3 | 23 | 23 | 100.0% | 0.062 | 1.65 | WFE-11 | -- | -- | 3.2E-01 | 3.2E-01 | Mean |
| | Arsenic | 20 | 20 | 20 | 23 | 14 | 60.9% | 1.02 | 55.6 | WFE-11 | 2.93 | 7.86 | 7.0E+00 | 7.0E+00 | Mean |
| | Barium | 1,000 | 1,000 | 50 | 23 | 23 | 100.0% | 21 | 436 | WFA-12 | -- | -- | 7.4E+01 | 7.4E+01 | Mean |
| | Beryllium | 100 | 100 | 0.4 | 14 | 3 | 21.4% | 0.32 | 0.48 | SB-352 | 0.29 | 0.36 | 2.1E-01 | 2.1E-01 | Mean |
| | Cadmium | 2 | 2 | 2 | 23 | 13 | 56.5% | 0.33 | 0.931 | WFF-11 | 0.28 | 0.915 | 4.0E-01 | NA | Below background |
| | Chromium | 30 | 30 | 30 | 23 | 23 | 100.0% | 5.6 | 42.1 | WFE-11 | -- | -- | 1.8E+01 | 1.8E+01 | Mean |
| | Lead | 300 | 300 | 100 | 31 | 31 | 100.0% | 19.6 | 671 | WFF-13 | -- | -- | 1.8E+02 | 1.8E+02 | Mcan |
| | Nickel | 20 | 20 | 20 | 14 | 14 | 100.0% | 3.9 | 6.87 | SB-244 | -- | -- | 5.3E+00 | NA | Below background |
| | Selenium | 400 | 400 | 0.5 | 23 | 1 | 4.3% | 15.4 | 15.4 | WFE-11 | 0.82 | 22 | 5.0E+00 | 5.0E+00 | Mean |
| | Silver | 100 | 100 | 0.6 | 23 | 10 | 43.5% | 1.4 | 3.45 | SB-247 | 0.41 | 2.56 | 1.6E+00 | 1.6E+00 | Mean |
| | Thallium | 8 | 8 | 0.6 | 14 | 3 | 21.4% | 4.37 | 6.43 | SB-351 | 3.26 | 4.15 | 2.6E+00 | 2.6E+00 | Mean |
| | Vanadium | 600 | 600 | 30 | 14 | 14 | 100.0% | 12 | 23 | SB-251 | -- | -- | 1.8E+01 | NA | Below background |
| | Zinc | 2,500 | 2,500 | 100 | 14 | 14 | 100.0% | 27.4 | 85.9 | SB-244 | -- | -- | 4.5E+01 | NA | Below background |
| Total Petroleum Hydrocarbons (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | NS | 2 | 2 | 100.0% | 57 | 120 | WFA-12 | -- | -- | 8.9E+01 | 8.9E+01 | Mean |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available or not applicable.

PAHs - Polycyclic aromatic hydrocarbons.

PCBs - Polychlorinated biphenyls.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration

Values shown in Bold and shaded type exceed background and one or more of the listed Method I standards.

Boxed maxima exceed natural soil background.

TABLE 18
Summary Statistics of Post-Excavation Soil Data - Soccer Field (WF-2)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | | | | # of Samples | # of Detects | Freq. of Detects | Min. of Detects (mg/kg) | Max. of Detects (mg/kg) | Location of Max. Detected | Min. of Non-Detects (mg/kg) | Max. of Non-Detects (mg/kg) | Mean Concentration (mg/kg) | EPC (mg/kg) | EPC Rationale | |
|-------------------------------------|------------------------|----------|----------|------------|--------------|--------------|------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|-------------|------------------|--|
| | | S-1/GW-2 | S-1/GW-3 | Background | | | | | | | | | | | | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | |
| (mg/kg) | Dibenzofuran | 10 | 10 | NA | 4 | 2 | 50.0% | 0.13 | 0.23 | WFE-1 | 0.056 | 0.062 | 1.0E-01 | 1.0E-01 | Mean | |
| | 2-Methylnaphthalene | 80 | 300 | 0.5 | 17 | 2 | 11.8% | 0.077 | 0.13 | WFE-2 | 0.056 | 0.44625 | 1.0E-01 | NA | Below background | |
| | Acenaphthene | 1,000 | 1,000 | 0.5 | 17 | 2 | 11.8% | 0.22 | 0.37 | WFE-1 | 0.056 | 0.44625 | 1.2E-01 | NA | Below background | |
| | Acenaphthylene | 600 | 10 | 0.5 | 17 | 3 | 17.6% | 0.56 | 0.96 | WFE-6 | 0.056 | 0.44625 | 2.2E-01 | 2.2E-01 | Mean | |
| | Anthracene | 1,000 | 1,000 | 1 | 17 | 4 | 23.5% | 0.083 | 1.7 | WFE-2 | 0.056 | 0.44625 | 3.5E-01 | 3.5E-01 | Mean | |
| | Benzo(a)anthracene | 7 | 7 | 2 | 17 | 8 | 47.1% | 0.11 | 3.4 | WFE-6 | 0.178 | 0.2225 | 6.9E-01 | 6.9E-01 | Mean | |
| | Benzo(a)pyrene | 2 | 2 | 2 | 17 | 8 | 47.1% | 0.13 | 3.2 | WFE-6 | 0.178 | 0.2225 | 6.4E-01 | 6.4E-01 | Mean | |
| | Benzo(b)fluoranthene | 7 | 7 | 2 | 17 | 8 | 47.1% | 0.089 | 3.8 | WFE-6 | 0.178 | 0.2225 | 6.1E-01 | 6.1E-01 | Mean | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 1 | 17 | 7 | 41.2% | 0.079 | 2.1 | WFE-6 | 0.178 | 0.2225 | 3.9E-01 | 3.9E-01 | Mean | |
| | Benzo(k)fluoranthene | 70 | 70 | 1 | 17 | 6 | 35.3% | 0.14 | 2.7 | WFE-2 | 0.178 | 0.2225 | 4.9E-01 | 4.9E-01 | Mean | |
| | Chrysene | 70 | 70 | 2 | 17 | 8 | 47.1% | 0.1 | 4.2 | WFE-6 | 0.178 | 0.2225 | 7.0E-01 | 7.0E-01 | Mean | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 0.5 | 17 | 3 | 17.6% | 0.65 | 1.9 | WFE-6 | 0.056 | 0.44625 | 2.7E-01 | 2.7E-01 | Mean | |
| | Fluoranthene | 1,000 | 1,000 | 4 | 17 | 8 | 47.1% | 0.197 | 6.5 | WFE-6 | 0.178 | 0.22375 | 1.2E+00 | 1.2E+00 | Mean | |
| | Fluorene | 1,000 | 1,000 | 1 | 17 | 3 | 17.6% | 0.3 | 0.46 | WFE-2 | 0.056 | 0.44625 | 1.5E-01 | NA | Below background | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 1 | 17 | 6 | 35.3% | 0.072 | 1.4 | WFE-1 | 0.062 | 0.2225 | 2.7E-01 | 2.7E-01 | Mean | |
| | Naphthalene | 40 | 500 | 0.5 | 17 | 3 | 17.6% | 0.15 | 0.22 | WFE-2 | 0.056 | 0.44625 | 1.1E-01 | NA | Below background | |
| | Phenanthrene | 500 | 500 | 3 | 17 | 7 | 41.2% | 0.097 | 5.7 | WFE-2 | 0.178 | 0.2225 | 1.0E+00 | 1.0E+00 | Mean | |
| | Pyrene | 1,000 | 1,000 | 4 | 17 | 10 | 58.8% | 0.16775 | 8 | WFE-6 | 0.178 | 0.24875 | 1.4E+00 | 1.4E+00 | Mean | |
| Metals, total | | | | | | | | | | | | | | | | |
| (mg/kg) | Mercury | 20 | 20 | 0.3 | 13 | 12 | 92.3% | 0.043 | 0.581 | WFE-1 | 0.068 | 0.068 | 1.1E-01 | 1.1E-01 | Mean | |
| | Arsenic | 20 | 20 | 20 | 13 | 9 | 69.2% | 2.1375 | 11.38 | WFE-6 | 2.66 | 2.96 | 4.6E+00 | NA | Below background | |
| | Barium | 1,000 | 1,000 | 50 | 13 | 13 | 100.0% | 14.5 | 490 | WFE-4 | -- | -- | 1.2E+02 | 1.2E+02 | Mean | |
| | Cadmium | 2 | 2 | 2 | 17 | 9 | 52.9% | 0.19625 | 0.83 | WFE-4 | 0.28 | 0.715 | 3.7E-01 | NA | Below background | |
| | Chromium | 30 | 30 | 30 | 13 | 13 | 100.0% | 5.14 | 41.3 | SB-358 | -- | -- | 1.2E+01 | 1.2E+01 | Mean | |
| | Lead | 300 | 300 | 100 | 17 | 17 | 100.0% | 13.8 | 735.5 | WFE-1 | -- | -- | 1.7E+02 | 1.7E+02 | Mean | |
| | Nickel | 20 | 20 | 20 | 8 | 8 | 100.0% | 4.12 | 17.2 | SB-358 | -- | -- | 6.8E+00 | NA | Below background | |
| | Silver | 100 | 100 | 0.6 | 13 | 6 | 46.2% | 2.62 | 3.69 | SB-238 | 0.34 | 2.005 | 1.6E+00 | 1.6E+00 | Mean | |
| | Vanadium | 600 | 600 | 30 | 8 | 8 | 100.0% | 13 | 41.1 | SB-358 | -- | -- | 1.8E+01 | 1.8E+01 | Mean | |
| | Zinc | 2,500 | 2,500 | 100 | 8 | 8 | 100.0% | 16.9 | 45.7 | SB-358 | -- | -- | 2.4E+01 | NA | Below background | |
| Total Petroleum Hydrocarbons | | | | | | | | | | | | | | | | |
| (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | NA | 1 | 1 | 100.0% | 290 | 290 | WFE-6 | -- | -- | 2.9E+02 | 2.9E+02 | Mean | |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available or not applicable.

PAHs - Polycyclic aromatic hydrocarbons.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration

Values shown in Bold and shaded type exceed background and one or more of the listed Method I standards.

Boxed maxima exceed natural soil background.

TABLE 19
Summary Statistics of Post-Excavation Soil Data - Practice Area (WF-3)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | | | | # of Samples | # of Detects | Freq. of Detects | Min. of Detects (mg/kg) | Max. of Detects (mg/kg) | Location of Max. Detected | Min. of Non-Detects (mg/kg) | Max. of Non-Detects (mg/kg) | Mean Concentration (mg/kg) | EPC (mg/kg) | EPC Rationale | | |
|-------------------------------------|------------------------|----------|-----------------------|------------|--------------|--------------|------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|-------------|------------------|---------|------|
| | | S-1/GW-2 | S-1/GW-3 | Background | | | | | | | | | | | | | |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | | | |
| | Acenaphthene | 1,000 | 1,000 | 0.5 | 30 | 2 | 6.7% | 0.222 | 1.73 | SB-226 | 0.172 | 0.71 | 1.9E-01 | 1.9E-01 | Mean | | |
| | Acenaphthylene | 600 | 10 | 0.5 | 30 | 2 | 6.7% | 0.6 | 0.77 | WFB-7 | 0.172 | 0.868 | 1.8E-01 | 1.8E-01 | Mean | | |
| | Anthracene | 1,000 | 1,000 | 1 | 30 | 5 | 16.7% | 0.334 | 3.54 | SB-226 | 0.172 | 0.71 | 3.0E-01 | 3.0E-01 | Mean | | |
| | Benzo(a)anthracene | 7 | 7 | 2 | 30 | 14 | 46.7% | 0.31 | 6.42 | SB-226 | 0.179 | 0.71 | 6.2E-01 | 6.2E-01 | Mean | | |
| | Benzo(a)pyrene | 2 | 2 | 2 | 30 | 14 | 46.7% | 0.3 | 4.8 | SB-226 | 0.179 | 0.71 | 5.3E-01 | 5.3E-01 | Mean | | |
| | Benzo(b)fluoranthene | 7 | 7 | 2 | 30 | 15 | 50.0% | 0.246 | 6.09 | SB-226 | 0.179 | 0.71 | 6.7E-01 | 6.7E-01 | Mean | | |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 1 | 30 | 10 | 33.3% | 0.257 | 2.8 | SB-226 | 0.179 | 0.71 | 3.6E-01 | 3.6E-01 | Mean | | |
| | Benzo(k)fluoranthene | 70 | 70 | 1 | 30 | 7 | 23.3% | 0.192 | 2.43 | SB-226 | 0.179 | 0.71 | 2.8E-01 | 2.8E-01 | Mean | | |
| | Chrysene | 70 | 70 | 2 | 30 | 14 | 46.7% | 0.35 | 6.52 | SB-226 | 0.179 | 0.71 | 6.9E-01 | 6.9E-01 | Mean | | |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 0.5 | 30 | 4 | 13.3% | 0.34 | 1.6 | WFB-7 | 0.172 | 0.71 | 2.3E-01 | 2.3E-01 | Mean | | |
| | Fluoranthene | 1,000 | 1,000 | 4 | 30 | 17 | 56.7% | 0.189 | 10.6 | SB-226 | 0.179 | 0.71 | 1.1E+00 | 1.1E+00 | Mean | | |
| | Fluorene | 1,000 | 1,000 | 1 | 30 | 2 | 6.7% | 0.183 | 1.53 | SB-226 | 0.172 | 0.71 | 1.8E-01 | 1.8E-01 | Mean | | |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 1 | 30 | 7 | 23.3% | 0.236 | 3.66 | SB-226 | 0.179 | 0.71 | 3.1E-01 | 3.1E-01 | Mean | | |
| | Phenanthrene | 500 | 500 | 3 | 30 | 13 | 43.3% | 0.36 | 11.6 | SB-226 | 0.179 | 0.71 | 8.9E-01 | 8.9E-01 | Mean | | |
| | Pyrene | 1,000 | 1,000 | 4 | 30 | 17 | 56.7% | 0.25 | 10.7 | SB-226 | 0.179 | 0.71 | 1.1E+00 | 1.1E+00 | Mean | | |
| PCBs | Total PCBs | 2 | 2 | NA | 35 | 5 | 14.3% | 0.028 | 0.25 | WFA-6 | 0.029 | 0.2 | 4.0E-02 | 4.0E-02 | Mean | | |
| Pesticides | | | | | | | | | | | | | | | | | |
| | alpha-BHC | 0.1 | 0.1 | NA | 3 | 1 | 33.3% | 0.0024 | 0.0024 | WFC-10 | 0.001 | 0.0011 | 1.2E-03 | 1.2E-03 | Mean | | |
| | 4,4'-DDE | 3 | 3 | NA | 3 | 3 | 100.0% | 0.0048 | 0.026 | WFC-10 | -- | -- | 1.5E-02 | 1.5E-02 | Mean | | |
| | 4,4'-DDT | 3 | 3 | NA | 3 | 1 | 33.3% | 0.0064 | 0.0064 | WFC-10 | 0.0021 | 0.0021 | 2.8E-03 | 2.8E-03 | Mean | | |
| Metals, total | | | | | | | | | | | | | | | | | |
| (mg/kg) | Mercury | 20 | 20 | 0.3 | 30 | 28 | 93.3% | 0.024 | 4.62 | WFC-7 | 0.0627 | 0.0636 | 5.4E-01 | 5.4E-01 | Mean | | |
| | Arsenic | 20 | 20 | 20 | 30 | 26 | 86.7% | 3.55 | 26.5 | WFB-7 | 2.68 | 8.04 | 9.4E+00 | 9.4E+00 | Mean | | |
| | Barium | 1,000 | 1,000 | 50 | 30 | 29 | 96.7% | 18.2 | 973 | WFD-5 | 27.8 | 27.8 | 1.3E+02 | 1.3E+02 | Mean | | |
| | Beryllium | 100 | 100 | 0.4 | 16 | 8 | 50.0% | 0.34 | 0.55 | SB-222 | 0.26 | 0.3 | 2.8E-01 | 2.8E-01 | Mean | | |
| | Cadmium | 2 | 2 | 2 | 36 | 13 | 36.1% | 0.206 | 5.97 | WFD-5 | 0.27 | 0.828 | 5.9E-01 | 5.9E-01 | Mean | | |
| | Chromium | 30 | 30 | 30 | 30 | 30 | 100.0% | 5.61 | 37.8 | WFE-9 | -- | -- | 1.4E+01 | 1.4E+01 | Mean | | |
| | Lead | 300 | 300 | 100 | 36 | 36 | 100.0% | 16.6 | 871 | WFC-10 | -- | -- | 2.1E+02 | 2.1E+02 | Mean | | |
| | Nickel | 20 | 20 | 20 | 16 | 16 | 100.0% | 3.07 | 14.6 | SB-231 | -- | -- | 5.2E+00 | NA | Below background | | |
| | Selenium | 400 | 400 | 0.5 | 30 | 1 | 3.3% | 2.98 | 2.98 | WFD-5 | 5.11 | 19.9 | 5.5E+00 | 5.5E+00 | Mean | | |
| | Silver | 100 | 100 | 0.6 | 30 | 8 | 26.7% | 2.11 | 4.4 | SB-231 | 0.48 | 2.32 | 1.4E+00 | 1.4E+00 | Mean | | |
| | Thallium | 8 | 8 | 0.6 | 16 | 3 | 18.8% | 4.47 | 6.11 | SB-353 | 3.07 | 4.18 | 2.4E+00 | 2.4E+00 | Mean | | |
| | Vanadium | 600 | 600 | 30 | 16 | 16 | 100.0% | 11 | 23.6 | SB-231 | -- | -- | 1.6E+01 | NA | Below background | | |
| | Zinc | 2,500 | 2,500 | 100 | 16 | 16 | 100.0% | 17 | 93.6 | SB-353 | -- | -- | 4.6E+01 | NA | Below background | | |
| Total Petroleum Hydrocarbons | | (mg/kg) | Diesel Range Organics | 1,000 | 1,000 | 3,000 | 3 | 1 | 33.3% | 77 | 77 | WFC-10 | 66 | 66 | 4.8E+01 | 4.8E+01 | Mean |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available or not applicable.

PAHs - Polycyclic aromatic hydrocarbons.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration

Values shown in Bold and shaded type exceed background and one or more of the listed Method 1 standards.

Boxed maxima exceed natural soil background.

Table 20. Summary Statistics of Post-Excavation Soil Data - Junior Varsity Baseball Field (WF-4)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | | | | # of Samples | # of Detects | Freq. of Detects | Min. of Detects (mg/kg) | Max. of Detects (mg/kg) | Location of Max. Detected | Min. of Non-Detects (mg/kg) | Max. of Non-Detects (mg/kg) | Mean Concentration (mg/kg) | EPC (mg/kg) | EPC Rationale |
|-------------------------------------|------------------------|----------|----------|------------|--------------|--------------|------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|-------------|------------------|
| | | S-I/GW-2 | S-I/GW-3 | Background | | | | | | | | | | | |
| VOCs | m & p-Xylene | 300 | 500 | NA | 1 | 1 | 100.0% | 0.049 | 0.049 | WFG-8 | -- | -- | 4.9E-02 | 4.9E-02 | Mean |
| PAHs / Dibenzofuran | | | | | | | | | | | | | | | |
| | Acenaphthylene | 600 | 10 | 0.5 | 11 | 1 | 9.1% | 0.5 | 0.5 | WFF-8 | 0.169 | 0.34 | 1.4E-01 | 1.4E-01 | Mean |
| | Anthracene | 1,000 | 1,000 | 1 | 11 | 1 | 9.1% | 0.7 | 0.7 | WFF-8 | 0.169 | 0.34 | 1.6E-01 | 1.6E-01 | Mean |
| | Benz(a)anthracene | 7 | 7 | 2 | 11 | 2 | 18.2% | 0.448 | 1.5 | WFF-8 | 0.169 | 0.34 | 2.6E-01 | 2.6E-01 | Mean |
| | Benzo(a)pyrene | 2 | 2 | 2 | 11 | 2 | 18.2% | 0.402 | 1.1 | WFF-8 | 0.169 | 0.34 | 2.2E-01 | 2.2E-01 | Mean |
| | Benzo(b)fluoranthene | 7 | 7 | 2 | 11 | 3 | 27.3% | 0.45 | 1.1 | WFF-8 | 0.169 | 0.3 | 2.6E-01 | 2.6E-01 | Mean |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 1 | 11 | 2 | 18.2% | 0.282 | 0.57 | WFF-8 | 0.169 | 0.34 | 1.6E-01 | 1.6E-01 | Mean |
| | Benzo(k)fluoranthene | 70 | 70 | 1 | 11 | 1 | 9.1% | 0.4 | 0.4 | WFF-8 | 0.169 | 0.34 | 1.3E-01 | 1.3E-01 | Mean |
| | Chrysene | 70 | 70 | 2 | 11 | 5 | 45.5% | 0.215 | 1.5 | WFF-8 | 0.169 | 0.192 | 3.1E-01 | 3.1E-01 | Mean |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 0.5 | 11 | 1 | 9.1% | 0.5 | 0.5 | WFF-8 | 0.169 | 0.34 | 1.4E-01 | 1.4E-01 | Mean |
| | Fluoranthene | 1,000 | 1,000 | 4 | 11 | 4 | 36.4% | 0.294 | 2.1 | WFF-8 | 0.169 | 0.3 | 4.1E-01 | 4.1E-01 | Mean |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 1 | 11 | 1 | 9.1% | 0.317 | 0.317 | SB-236 | 0.169 | 0.34 | 1.3E-01 | 1.3E-01 | Mean |
| | Phenanthrene | 500 | 500 | 3 | 11 | 2 | 18.2% | 1.1 | 2.1 | WFF-8 | 0.169 | 0.34 | 3.8E-01 | 3.8E-01 | Mean |
| | Pyrene | 1,000 | 1,000 | 4 | 11 | 5 | 45.5% | 0.216 | 3.5 | WFF-8 | 0.169 | 0.3 | 5.8E-01 | 5.8E-01 | Mean |
| PCBs | Total PCBs | 2 | 2 | NA | 12 | 3 | 25.0% | 0.0555 | 0.108 | SB-234 | 0.029 | 0.0578 | 3.7E-02 | 3.7E-02 | Mean |
| Pesticides | | | | | | | | | | | | | | | |
| | alpha-BHC | 0.1* | 0.1* | NA | 1 | 1 | 100.0% | 0.012 | 0.012 | WFG-8 | -- | -- | 1.2E-02 | 1.2E-02 | Mean |
| | 4,4'-DDE | 3 | 3 | NA | 1 | 1 | 100.0% | 0.0085 | 0.0085 | WFG-8 | -- | -- | 8.5E-03 | 8.5E-03 | Mean |
| | Heptachlor epoxide | 0.09 | 0.09 | NA | 1 | 1 | 100.0% | 0.0038 | 0.0038 | WFG-8 | -- | -- | 3.8E-03 | 3.8E-03 | Mean |
| | Hexachlorobenzene | 0.7 | 0.7 | NA | 1 | 1 | 100.0% | 0.004 | 0.004 | WFG-8 | -- | -- | 4.0E-03 | 4.0E-03 | Mean |
| Metals, total | | | | | | | | | | | | | | | |
| | Mercury | 20 | 20 | 0.3 | 11 | 11 | 100.0% | 0.019 | 1.82 | WFG-9 | -- | -- | 3.1E-01 | 3.1E-01 | Mean |
| | Arsenic | 20 | 20 | 20 | 55 | 53 | 96.4% | 2.7 | 70.8 | JV-O | 2.54 | 2.7 | 1.5E+01 | 1.5E+01 | Mean |
| | Barium | 1,000 | 1,000 | 50 | 11 | 11 | 100.0% | 14.2 | 774 | WFG-9 | -- | -- | 1.6E+02 | 1.6E+02 | Mean |
| | Beryllium | 100 | 100 | 0.4 | 8 | 4 | 50.0% | 0.32 | 0.7 | SB-234 | 0.26 | 0.29 | 2.9E-01 | 2.9E-01 | Mean |
| | Cadmium | 2 | 2 | 2 | 29 | 12 | 41.4% | 0.205 | 1.57 | WFG-9 | 0.26 | 0.728 | 3.5E-01 | NA | Below background |
| | Chromium | 30 | 30 | 30 | 11 | 11 | 100.0% | 5.71 | 33.1 | WFG-9 | -- | -- | 1.7E+01 | 1.7E+01 | |
| | Lead | 300 | 300 | 100 | 29 | 29 | 100.0% | 4 | 1,160 | WFG-9 | -- | -- | 1.6E+02 | 1.6E+02 | |
| | Nickel | 20 | 20 | 20 | 8 | 8 | 100.0% | 3.43 | 12.4 | SB-234 | -- | -- | 6.4E+00 | 6.4E+00 | |
| | Silver | 100 | 100 | 0.6 | 11 | 8 | 72.7% | 0.69 | 4.68 | SB-237 | 1.9 | 2.26 | 1.8E+00 | 1.8E+00 | |
| | Vanadium | 600 | 600 | 30 | 8 | 8 | 100.0% | 8.12 | 25.3 | SB-234 | -- | -- | 1.6E+01 | 1.6E+01 | |
| | Zinc | 2,500 | 2,500 | 100 | 8 | 8 | 100.0% | 14.7 | 118 | SB-237 | -- | -- | 4.1E+01 | 4.1E+01 | |
| Total Petroleum Hydrocarbons | Diesel Range Organics | 1,000 | 1,000 | NA | 1 | 1 | 100.0% | 180 | 180 | WFG-8 | -- | -- | 1.8E+02 | 1.8E+02 | Mean |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available or not applicable.

SVOCs - Semi-volatile organic compounds.

PCBs - Polychlorinated biphenyls.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration

Values shown in Bold and shaded type exceed background and one or more of the listed Method 1 standards.

Boxed maxima exceed natural soil background.

TABLE 21
Summary Statistics of Post-Excavation Soil Data - Varsity Baseball Field (WF-5)
Walsh Field
New Bedford, Massachusetts

| Analysis | Analyte | | | | # of Samples | # of Detects | Freq. of Detects | Min. of Detects (mg/kg) | Max. of Detects (mg/kg) | Location of Max. Detected | Min. of Non-Detects (mg/kg) | Max. of Non-Detects (mg/kg) | Mean Concentration (mg/kg) | EPC (mg/kg) | EPC Rationale |
|------------------------------|-------------------------|----------|----------|------------|--------------|--------------|------------------|-------------------------|-------------------------|---------------------------|-----------------------------|-----------------------------|----------------------------|-------------|------------------------------|
| | | S-1/GW-2 | S-1/GW-3 | Background | | | | | | | | | | | |
| VOCs | Bromomethane | 0.5 | 30 | NA | 6 | 2 | 33.3% | 0.36 | 0.65 | WFD-3 | 0.012 | 0.014 | 1.7E-01 | 1.7E-01 | Mean |
| EPH | Dibenzofuran | 10* | 10* | NA | 14 | 3 | 21.4% | 0.059 | 0.084 | WFD-1 | 0.059 | 0.85 | 1.8E-01 | 1.8E-01 | Mean |
| | Acenaphthene | 1,000 | 1,000 | 0.5 | 39 | 4 | 10.3% | 0.078 | 0.259 | SB-254 | 0.059 | 0.85 | 1.1E-01 | NA | Below background |
| | Acenaphthylene | 600 | 10 | 0.5 | 39 | 8 | 20.5% | 0.11975 | 3.2 | WFD-4 | 0.095 | 0.85 | 2.3E-01 | 2.3E-01 | Mean |
| | Anthracene | 1,000 | 1,000 | 1 | 39 | 10 | 25.6% | 0.252 | 5.2 | WFD-4 | 0.095 | 0.85 | 3.6E-01 | 3.6E-01 | Mean |
| | Benzo(a)anthracene | 7 | 7 | 2 | 39 | 20 | 51.3% | 0.197 | 7.2 | WFD-4 | 0.095 | 0.85 | 6.7E-01 | 6.7E-01 | Mean |
| | Benzo(a)pyrene | 2 | 2 | 2 | 39 | 21 | 53.8% | 0.185 | 3.9 | WFD-4 | 0.095 | 0.85 | 5.7E-01 | 5.7E-01 | Mean |
| | Benzo(b)fluoranthene | 7 | 7 | 2 | 39 | 21 | 53.8% | 0.215 | 3.48 | SB-254 | 0.095 | 0.85 | 5.2E-01 | 5.2E-01 | Mean |
| | Benzo(g,h,i)perylene | 1,000 | 1,000 | 1 | 39 | 18 | 46.2% | 0.175125 | 2.76 | SB-254 | 0.095 | 0.85 | 3.3E-01 | 3.3E-01 | Mean |
| | Benzo(k)fluoranthene | 70 | 70 | 1 | 39 | 13 | 33.3% | 0.189875 | 3.8 | WFA-2 | 0.095 | 0.85 | 4.5E-01 | 4.5E-01 | Mean |
| | Chrysene | 70 | 70 | 2 | 39 | 21 | 53.8% | 0.193 | 5.5 | WFD-4 | 0.095 | 0.85 | 6.1E-01 | 6.1E-01 | Mean |
| | Dibenz(a,h)anthracene | 0.7 | 0.7 | 0.5 | 39 | 8 | 20.5% | 0.1 | 0.83 | WFD-4 | 0.095 | 0.85 | 1.7E-01 | 1.7E-01 | Mean |
| | Fluoranthene | 1,000 | 1,000 | 4 | 39 | 24 | 61.5% | 0.096 | 7.9 | WFD-4 | 0.171 | 0.205 | 1.0E+00 | 1.0E+00 | Mean |
| | Fluorene | 1,000 | 1,000 | 1 | 39 | 5 | 12.8% | 0.11975 | 0.395 | SB-254 | 0.059 | 0.85 | 1.2E-01 | NA | Below background |
| | Indeno(1,2,3-cd)pyrene | 7 | 7 | 1 | 39 | 18 | 46.2% | 0.19 | 3.12 | SB-254 | 0.095 | 0.85 | 3.5E-01 | 3.5E-01 | Mean |
| | Naphthalene | 40 | 500 | 0.5 | 39 | 3 | 7.7% | 0.067 | 0.246 | SB-254 | 0.056 | 0.85 | 1.1E-01 | NA | Below background |
| | Phenanthrene | 500 | 500 | 3 | 39 | 22 | 56.4% | 0.206 | 6.2 | WFD-4 | 0.095 | 0.205 | 8.4E-01 | 8.4E-01 | Mean |
| | Pyrene | 1,000 | 1,000 | 4 | 39 | 25 | 64.1% | 0.14 | 16 | WFD-4 | 0.173 | 0.41 | 1.4E+00 | 1.4E+00 | Mean |
| PCBs | Total PCBs | 2 | 2 | NA | 25 | 3 | 12.0% | 0.0727 | 0.13 | WFA-2 | 0.0501 | 0.37 | 8.0E-02 | 8.0E-02 | Mean |
| Metals, total | MERCURY | 20 | 20 | 0.3 | 37 | 33 | 89.2% | 0.026 | 1.31 | WFC-2 | 0.014 | 0.064 | 2.1E-01 | 2.1E-01 | Mean |
| | Arsenic | 20 | 20 | 20 | 213 | 190 | 89.2% | 1.65 | 119 | SB-252CC | 2.68 | 2.93 | 9.9E+00 | 1.4E+01 | 95% Chebyshev (Mean, Sd) UCL |
| | Barium | 1,000 | 1,000 | 50 | 33 | 33 | 100.0% | 21 | 1060 | WFC-2 | -- | -- | 1.3E+02 | 1.3E+02 | Mean |
| | Beryllium | 100 | 100 | 0.4 | 25 | 5 | 20.0% | 0.37 | 0.47 | SB-252 | 0.26 | 0.31 | 2.0E-01 | 2.0E-01 | Mean |
| | Cadmium | 2 | 2 | 2 | 37 | 17 | 45.9% | 0.29 | 5.61 | WFC-2 | 0.26 | 0.31 | 4.3E-01 | 4.3E-01 | Mean |
| | Chromium | 30 | 30 | 30 | 37 | 37 | 100.0% | 4.81 | 85 | WTR-SS-09 | -- | -- | 2.2E+01 | 2.2E+01 | Mean |
| | Lead | 300 | 300 | 100 | 157 | 157 | 100.0% | 2.11 | 4590 | WFC-2 | -- | -- | 1.8E+02 | 2.3E+02 | 95% H-UCL |
| | Nickel | 20 | 20 | 20 | 25 | 25 | 100.0% | 3.76 | 38.5 | WTR-SS-09 | -- | -- | 1.2E+01 | 1.2E+01 | Mean |
| | Selenium | 400 | 400 | 0.5 | 33 | 1 | 3.0% | 2.03 | 2.03 | WFC-2 | 0.64 | 6.16 | 2.3E+00 | 2.3E+00 | Mean |
| | Silver | 100 | 100 | 0.6 | 33 | 9 | 27.3% | 1.15 | 7.4 | WFC-2 | 0.32 | 0.62 | 1.0E+00 | 1.0E+00 | Mean |
| | Vanadium | 600 | 600 | 30 | 25 | 25 | 100.0% | 13 | 47.8 | WTR-SS-10 | -- | -- | 2.1E+01 | 2.1E+01 | Mean |
| | Zinc | 2,500 | 2,500 | 100 | 25 | 25 | 100.0% | 20.4 | 118 | SB-255 | -- | -- | 4.7E+01 | 4.7E+01 | Mean |
| Total Petroleum Hydrocarbons | Diesel Range Organics | 1,000 | 1,000 | NA | 7 | 7 | 100.0% | 22 | 984 | WFD-3 | -- | -- | 1.9E+02 | 1.9E+02 | Mean |
| | Gasoline Range Organics | 1,000 | 1,000 | NA | 2 | 1 | 50.0% | 5.3 | 5.3 | WFA-4 | 7.7 | 7.7 | 4.6E+00 | 4.6E+00 | Mean |

Notes:

All units in mg/kg unless otherwise specified.

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NA - Not available or not applicable.

EPH - Extractable petroleum hydrocarbons

PCBs - Polychlorinated biphenyls.

Background - Background Concentration for natural soil.

UCL - Upper confidence limit on the arithmetic mean concentration.

EPC - Exposure Point Concentration

Values shown in Bold and shaded type exceed background and one or more of the listed Method I standards.

Boxed maxima exceed natural soil background.

APPENDIX B

REMEDIATION DRAWING AND DETAILS

EXCAVATION PLANS

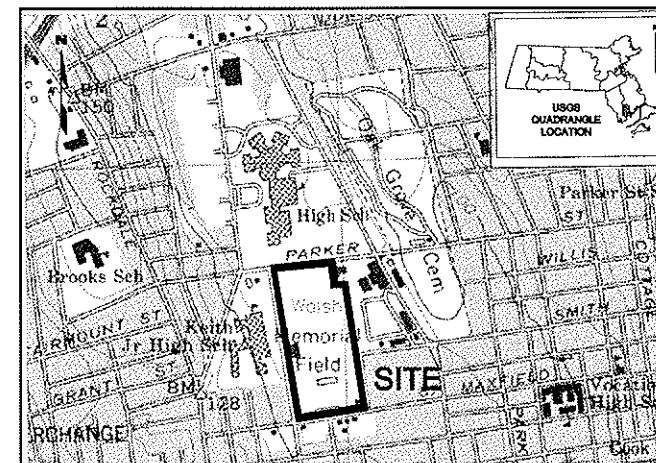
DR. PAUL F. WALSH FIELD

OCTOBER 2009

City of New Bedford New Bedford, Massachusetts

Index of Drawings

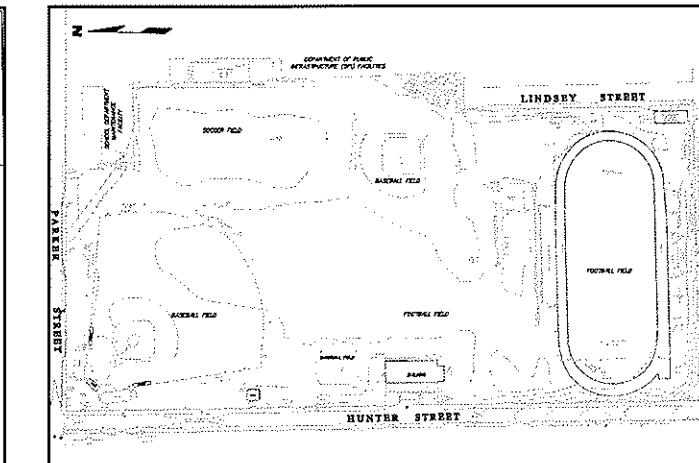
| <u>Drawing No.</u> | <u>Drawing Title</u> |
|--------------------|-----------------------|
| T-100 | Title Sheet |
| C-100 | Existing Conditions |
| C-101 | Excavation Overview |
| C-101A | Extent of Excavations |



Locus Plan

GRAPHIC SCALE
NTS

Base map is a portion of the following 7.5' USGS Topographic Quadrangle:
New Bedford North, MA, 1979



Site Plan

GRAPHIC SCALE
NTS

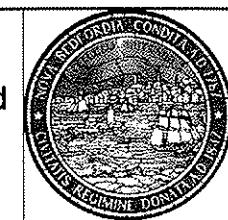
Index of Drawings

| <u>Drawing No.</u> | <u>Drawing Title</u> |
|--------------------|-----------------------|
| C-101B | Extent of Excavations |
| C-101C | Extent of Excavations |
| C-102 | Typical Details |

Prepared by:



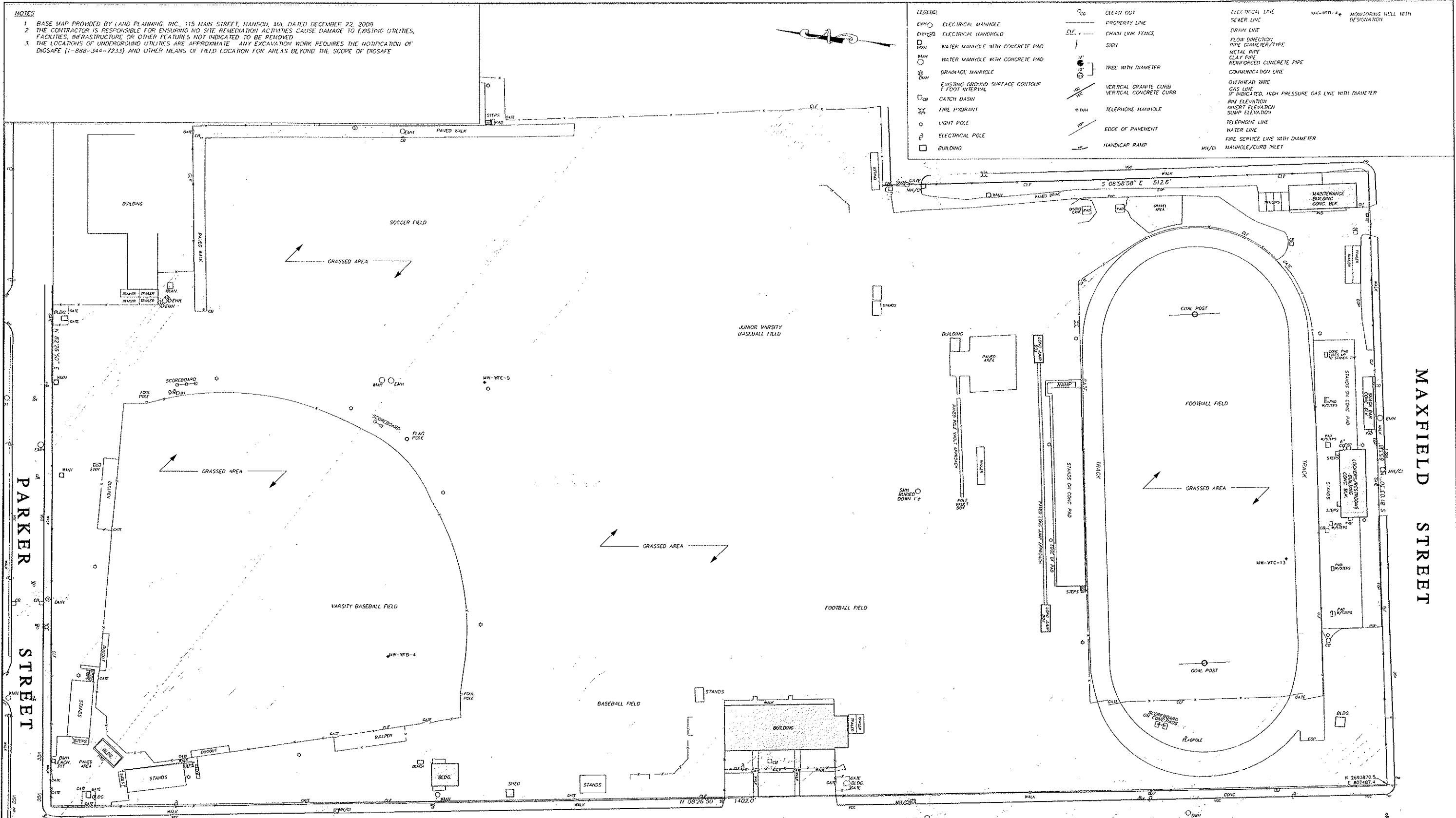
Prepared for:
The City of New Bedford
Massachusetts



| | | | | | | | |
|-----|---------|------|-----------------------------|---|------------------------------|---|--------------------------|
| 0 | 4/17/09 | A.H. | CONCEPTUAL DESIGN SUBMITTAL | M.P. | DRAWING TITLE TITLE SHEET | PROJECT TITLE EXCAVATION PLANS WALSH FIELD EXTERIOR REMEDY | SCALE NTS |
| | | | | M.P. | | | |
| 1 | 8/18/09 | A.H. | RAN PLAN SUBMITTAL | M.P. | | | |
| 2 | 8/18/09 | A.H. | RAN PLAN SUBMITTAL | M.P. | A.H. | A.H. | |
| | | | | A.H. | DRAWN BY A.H. | CHECKED BY M.P. | PROJECT ENGINEER A.H. |
| | | | | | DATE FEB. 2009 | SUPERVISOR M.P. | |
| REV | DATE | BY | DESCRIPTION | DESIGN SUPERVISOR PROJECT ENGINEER | | | |

| | | |
|---|----------------------|---|
| PREPARED FOR City of New Bedford 133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740 | DRAWING NO. T-100 | 2 |
|---|----------------------|---|

MAXFIELD STREET

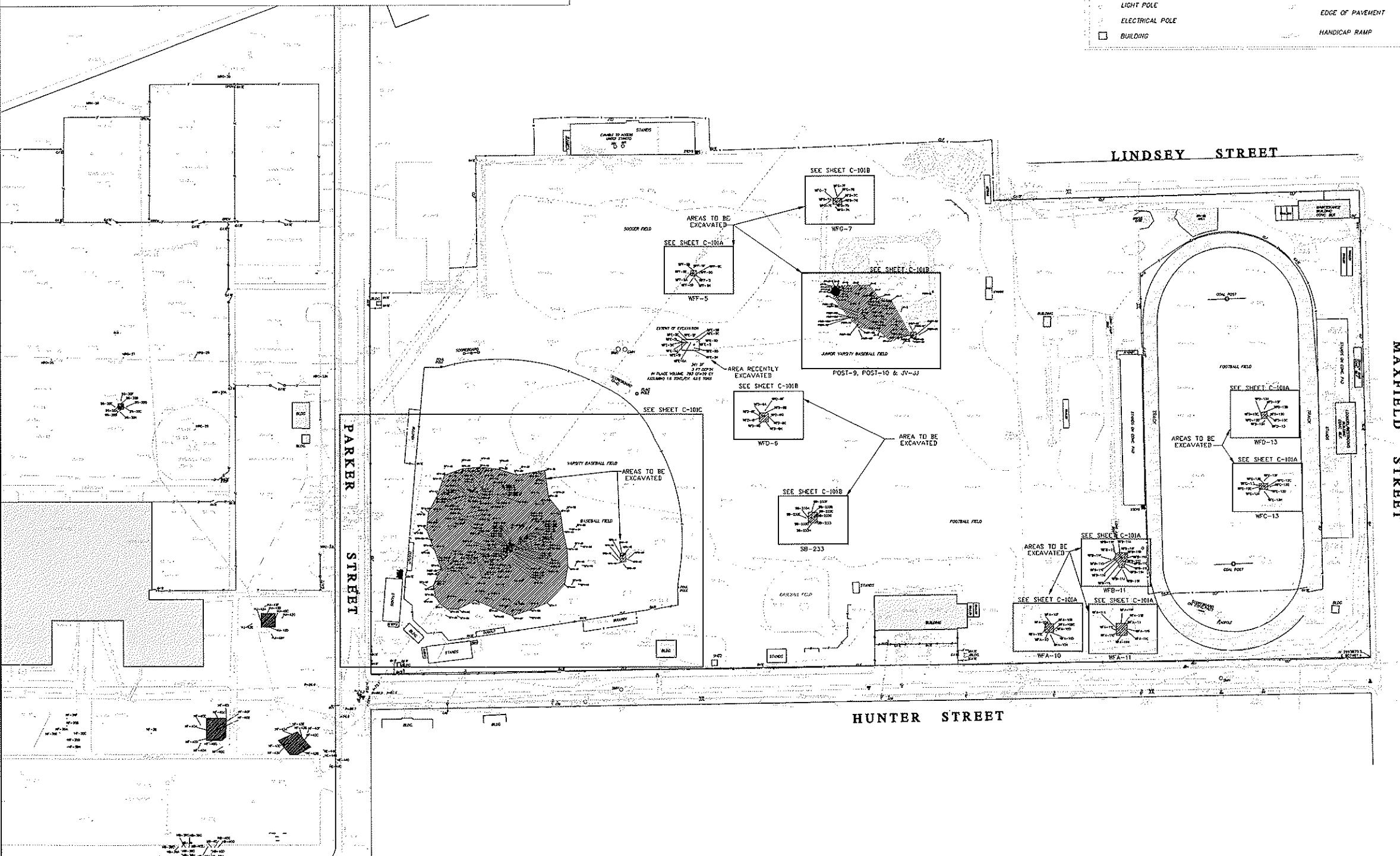


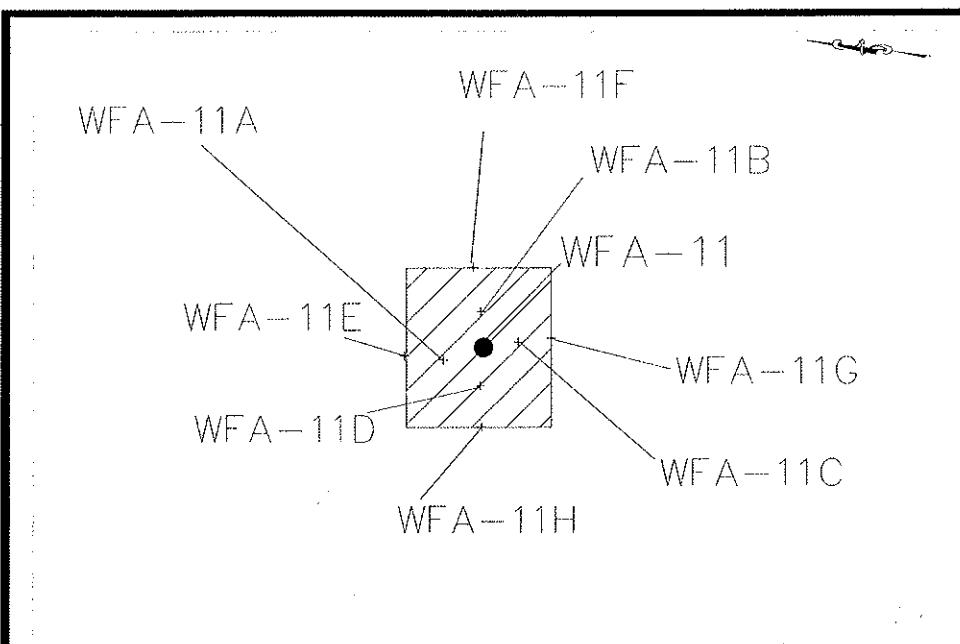
| Prepared by: | Prepared for: | Drawing Title | Project Title | Scale |
|--------------|--|-------------------------------------|---------------|---------------------------------------|
| | | EXISTING CONDITIONS | | |
| | The City of New Bedford Massachusetts | A.H. CONCEPTUAL DESIGN SUBMITTAL | H.P. A.H. | 1' = 50' |
| | | A.H. RAM PLAN SUBMITTAL | H.P. A.H. | |
| | | A.H. | A.H. | |
| | | REV. DATE BY | DESCRIPTION | DESIGN SUPERVISOR PROJECT ENGINEER |
| | | | | 50' 0' 25' 50' 100' |
| | | | | DRAWING NO. C-100 |

NOTES

1. BASE MAP PROVIDED BY LAND PLANNING, INC., 115 MAIN STREET, HANSON, MA, DATED DECEMBER 22, 2008.
2. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE. EXCAVATION WORK REQUIRES THE NOTIFICATION OF DIGSAFE (1-888-344-7233).
3. THE EXCAVATION AREAS SHOWN ARE APPROXIMATE AND REFLECT THE MODELING OF SUBSURFACE CONDITIONS USING A METHOD 1 RISK CHARACTERIZATION APPROACH. DETAILS ARE PRESENTED IN APPENDIX A OF THE RELEASE ABATEMENT MEASURE (RAM) PLAN, CONTAMINATED SOIL REMOVAL AT THE WALSH FIELD ATHLETIC COMPLEX, PARKER STREET WASTE SITE, NEW BEDFORD, MASSACHUSETTS (RTN 4-15685), DATED AUGUST 2009.

| | | |
|---------------------------------|------------------------|--|
| ELECTRICAL MANHOLE | CLEAN OUT | ELECTRICAL LINE |
| ELECTRICAL HANDHOLD | PROPERTY LINE | SEWER LINE |
| WATER MANHOLE WITH CONCRETE PAD | CHAIN LINK FENCE | DRAIN LINE |
| WATER MANHOLE WITH CONCRETE PAD | SIGN | FLOW DIRECTION |
| DRAINAGE MANHOLE | TREE WITH DIAMETER | PIPE DIAMETER/TYPE |
| EXISTING GROUND SURFACE CONTOUR | VERTICAL GRANITE CURB | METAL PIPE |
| 1 FOOT INTERVAL | VERTICAL CONCRETE CURB | CLAY PIPE |
| CATCH BASIN | | REINFORCED CONCRETE PIPE |
| FIRE HYDRANT | | COMMUNICATION LINE |
| TELEPHONE MANHOLE | | OVERHEAD WIRE |
| LIGHT POLE | | GAS LINE |
| ELECTRICAL POLE | | IF INDICATED, HIGH PRESSURE GAS LINE WITH DIAMETER |
| BUILDING | | RIM ELEVATION |
| | | INVERT ELEVATION |
| | | SPILL ELEVATION |
| | | TELEPHONE LINE |
| | | WATER LINE |
| | | FIREFIGHTING SERVICE LINE WITH DIAMETER |
| | | MANHOLE/CURB INLET |



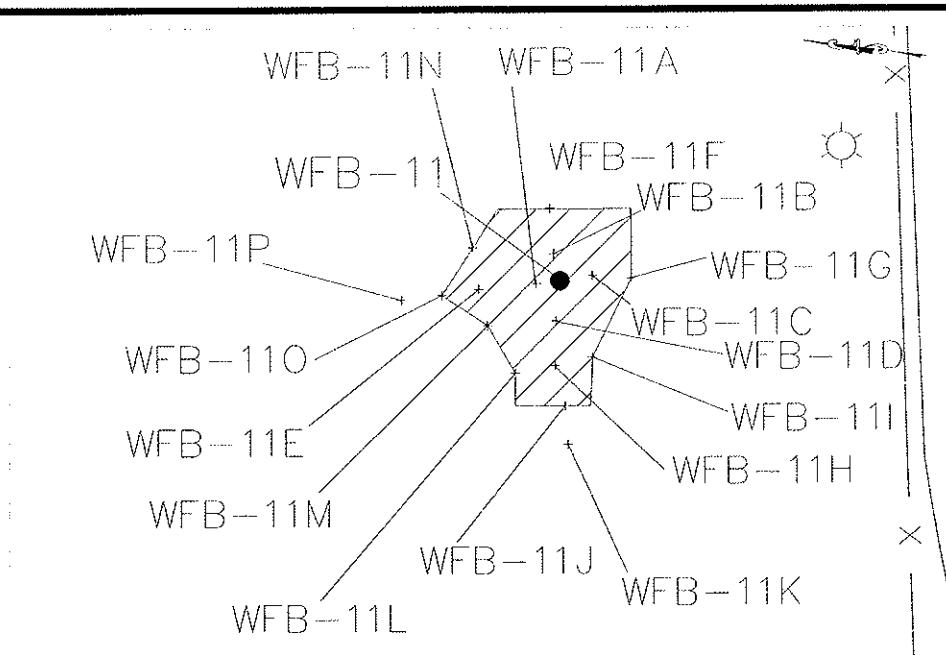


WFA-11

- Notes:
1. Depth of Excavation = 3 ft bgs
 2. Area = 249.2 sf
 3. Volume = 27.7 cy

GRAPHIC SCALE
0 10'
1" = 10'

SEE SHEET C-101 FOR
LEGEND AND GENERAL NOTES

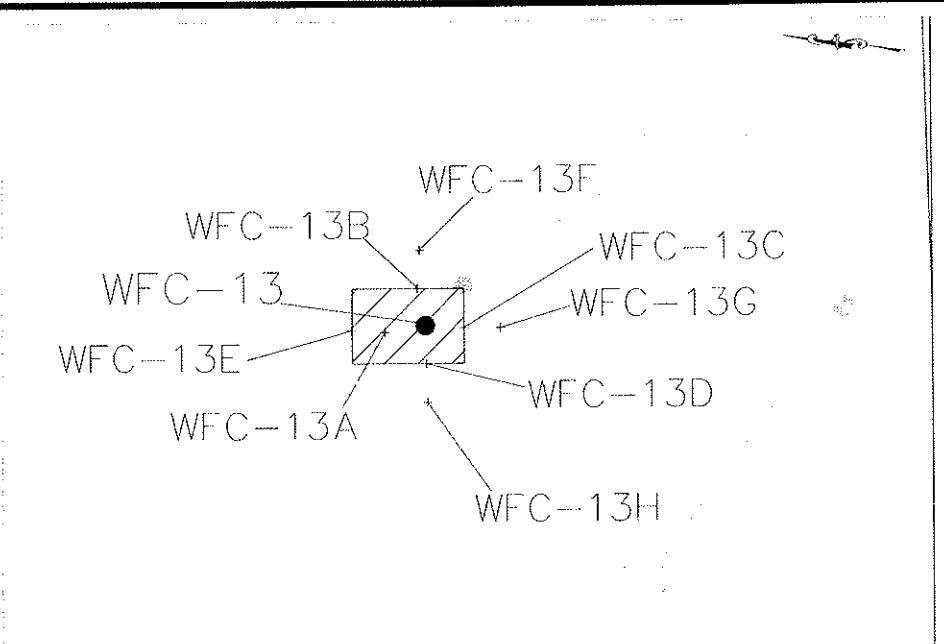


WFB-11

- Notes:
1. Depth of Excavation = 3 ft bgs
 2. Area = 306.4 sf
 3. Volume = 34 cy

GRAPHIC SCALE
0 10'
1" = 10'

SEE SHEET C-101 FOR
LEGEND AND GENERAL NOTES

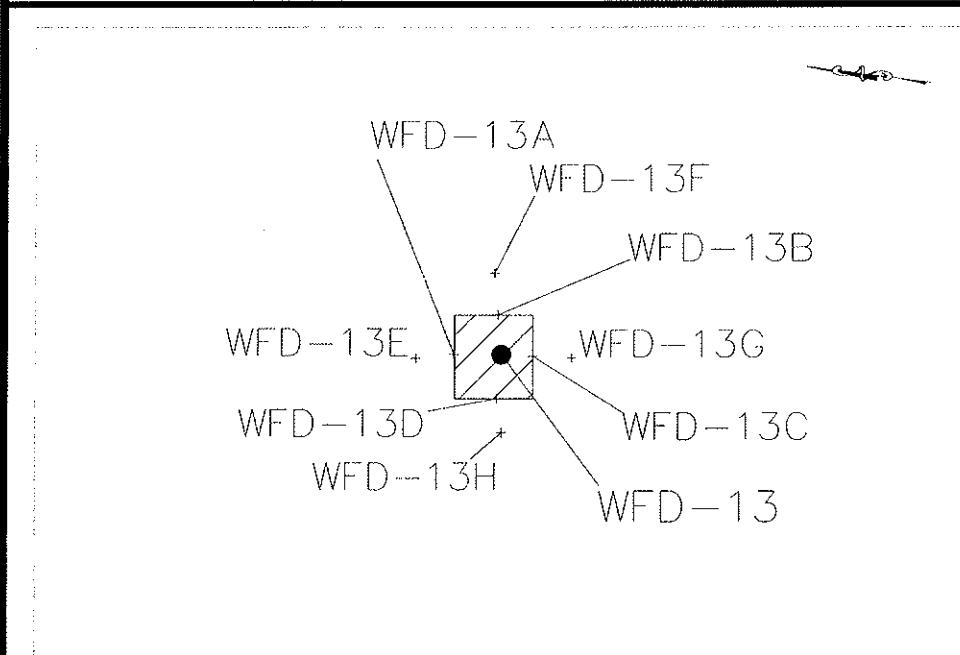


WFC-13

- Notes:
1. Depth of Excavation = 3 ft bgs
 2. Area = 90.7 sf
 3. Volume = 10.1 cy

GRAPHIC SCALE
0 10'
1" = 10'

SEE SHEET C-101 FOR
LEGEND AND GENERAL NOTES

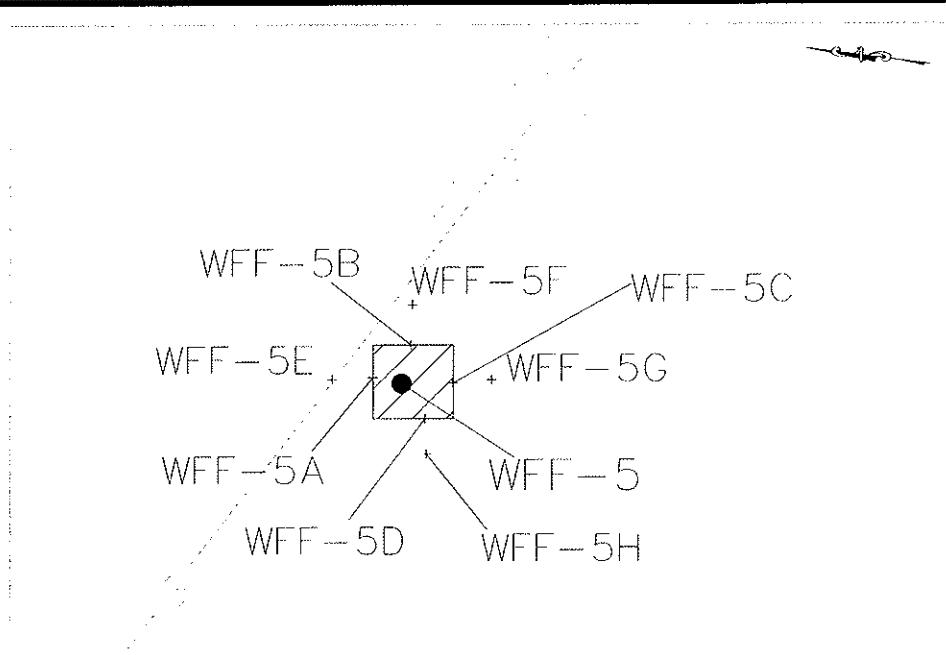


WFD-13

- Notes:
1. Depth of Excavation = 3 ft bgs
 2. Area = 70.3 sf
 3. Volume = 7.8 cy

GRAPHIC SCALE
0 10'
1" = 10'

SEE SHEET C-101 FOR
LEGEND AND GENERAL NOTES

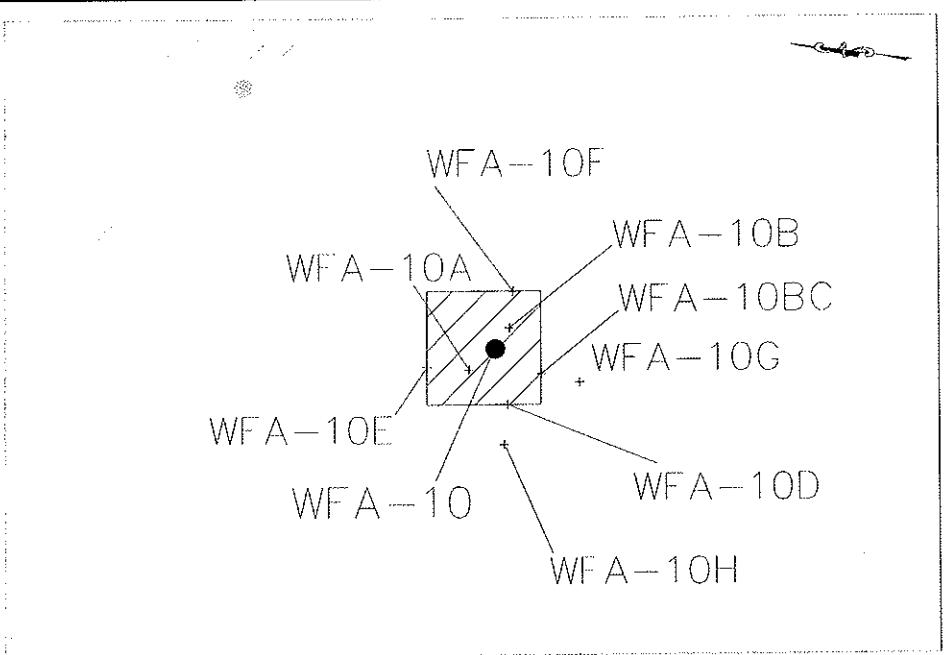


WFF-5

- Notes:
1. Depth of Excavation = 3 ft bgs
 2. Area = 63 sf
 3. Volume = 7 cy

GRAPHIC SCALE
0 10'
1" = 10'

SEE SHEET C-101 FOR
LEGEND AND GENERAL NOTES



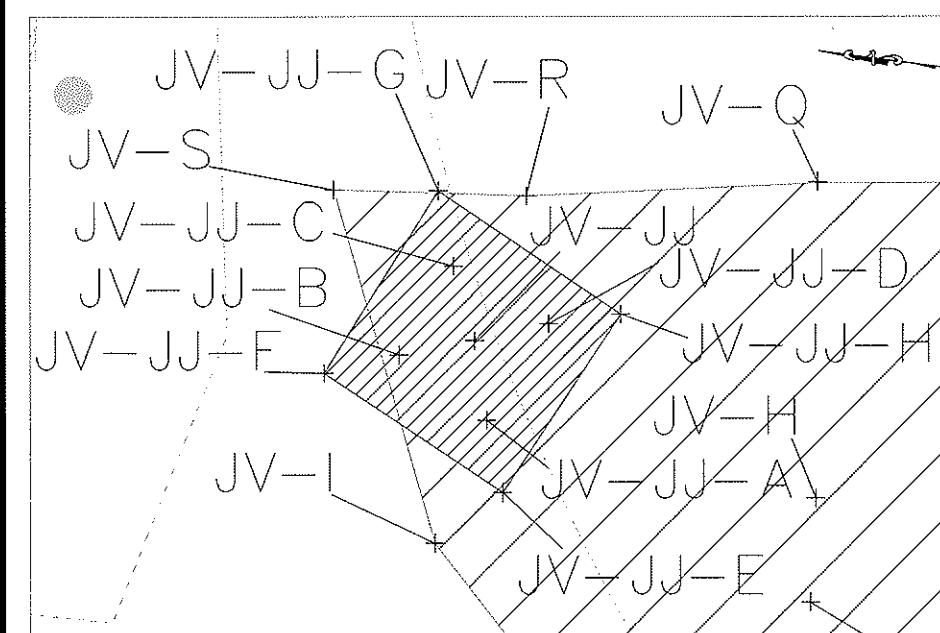
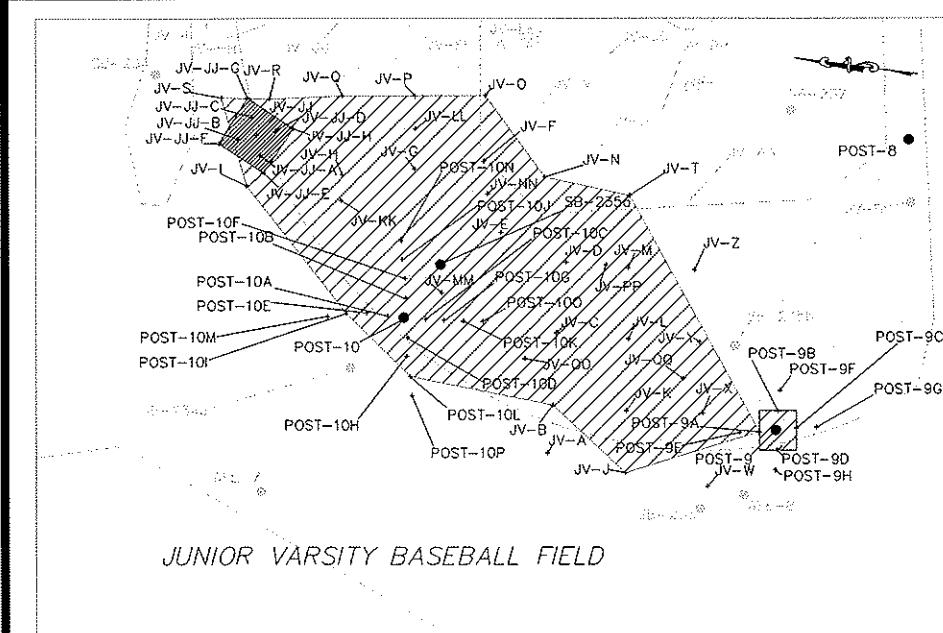
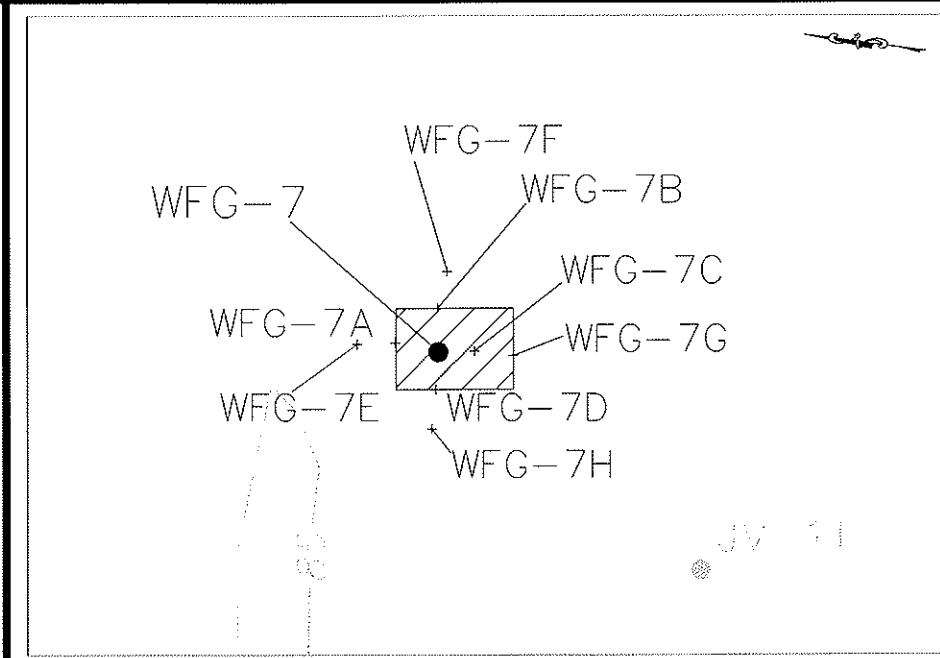
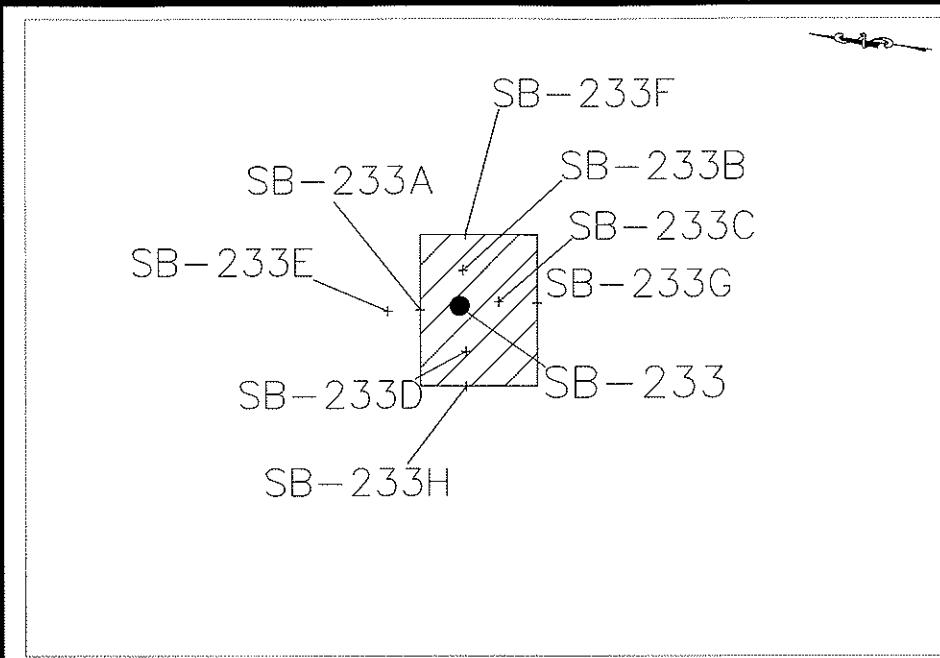
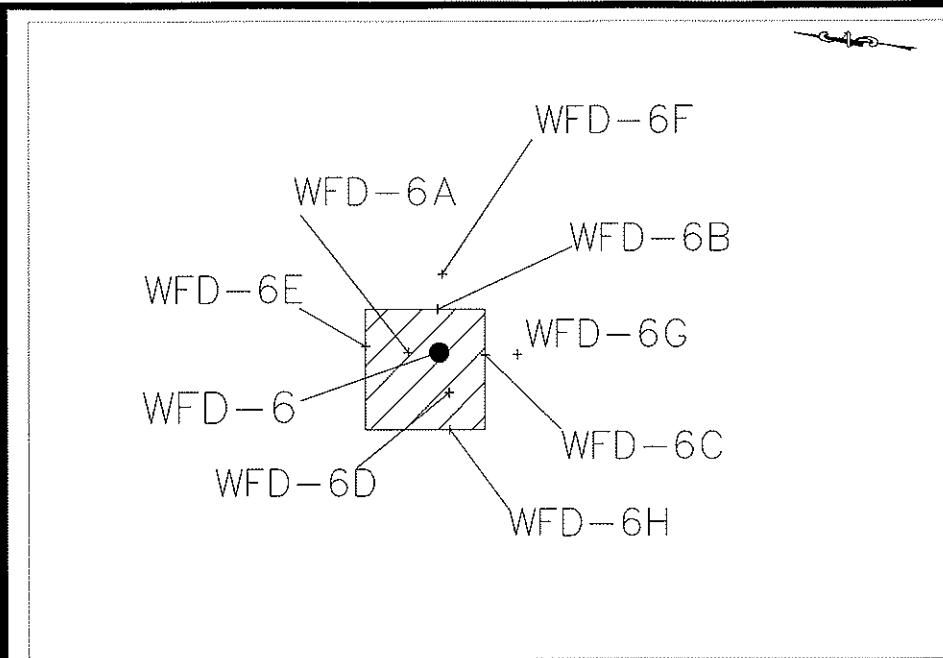
WFA-10

- Notes:
1. Depth of Excavation = 3 ft bgs
 2. Area = 185.6 sf
 3. Volume = 20.6 cy

GRAPHIC SCALE
0 10'
1" = 10'

SEE SHEET C-101 FOR
LEGEND AND GENERAL NOTES

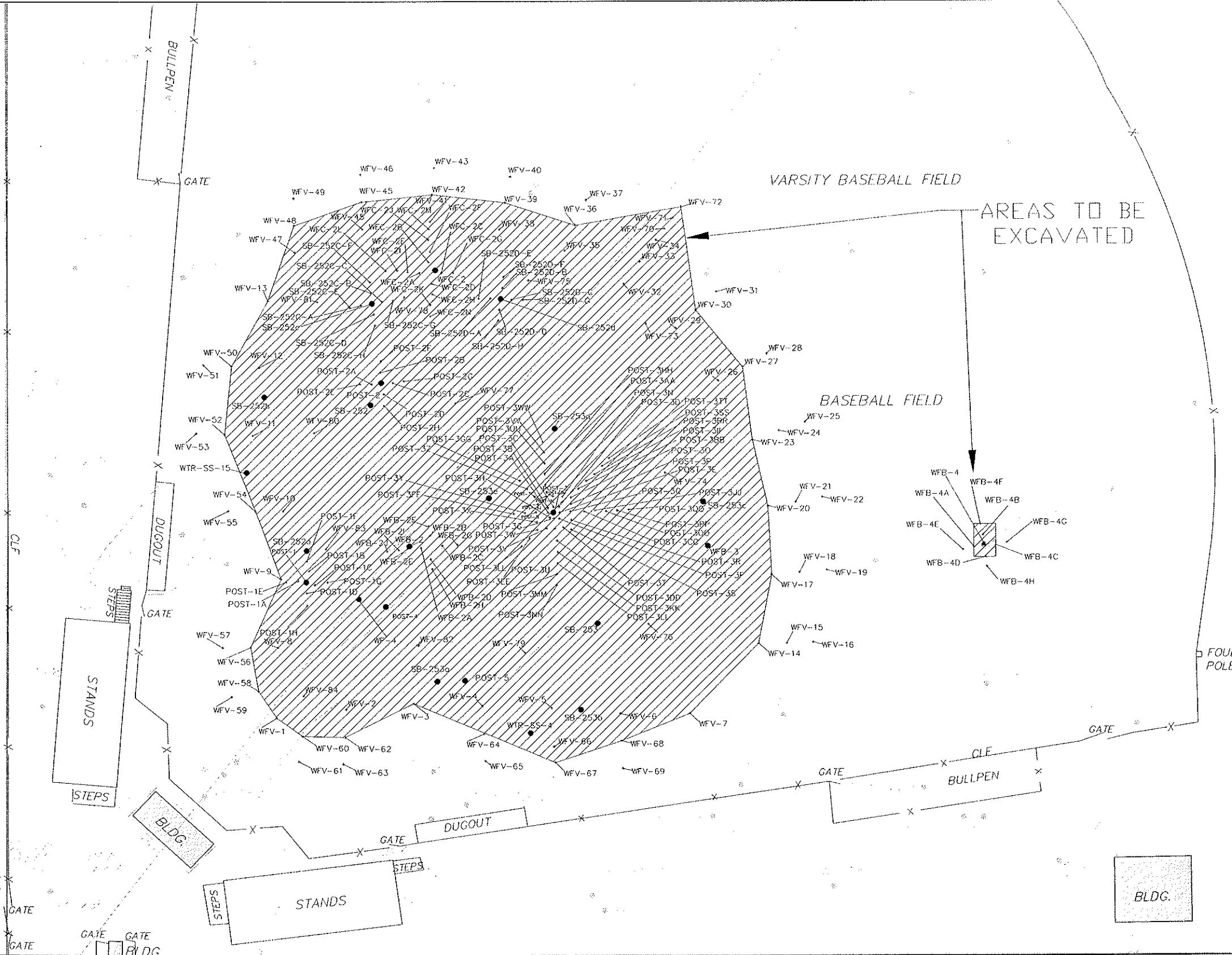
| | | | | | | | | | | | | |
|------------------|---------------------------------|--|--|-----------------------------|---|------|---------------------------------------|--|------|------|------|--------------|
| Prepared by: | Prepared for: | The City of New Bedford Massachusetts | Seal of the City of New Bedford, Massachusetts | DRAWING TITLE | | | | PROJECT TITLE | | | | SCALE NTS |
| | | | | EXTENT OF EXCAVATIONS | | | | EXCAVATION PLANS WALSH FIELD EXTERIOR REMEDY | | | | |
| RELEASER A.H. | DRAWN BY A.H. FEB 28 2009 | CHECKED BY M.P. M.P. | APPROVED A.H. | CONCEPTUAL DESIGN SUBMITTAL | | | | RAM PLAN SUBMITTAL | | | | |
| | | | | 0 | 1 | A.H. | A.H. | M.P. | M.P. | A.H. | A.H. | |
| REV. | DATE | BY | DESCRIPTION | | | | DESIGN SUPERVISOR PROJECT ENGINEER | | | | | DRAWING NO. |
| | | | | | | | | | | | | C-101A |



| | | | | | | | | |
|--|-----------------------------|--------------------|--------------------------|---|-----------------------|--|---|--------------|
| Prepared by: | Prepared for: | | DRAWING TITLE | | | | PROJECT TITLE EXCAVATION PLANS WALSH FIELD EXTERIOR REMEDY | SCALE NTS |
| | | | EXTENT OF EXCAVATIONS | | | | | |
| <input checked="" type="checkbox"/> 4/17/09 A.H. <input type="checkbox"/> 5/17/09 A.H. <input type="checkbox"/> 9/18/09 A.H. | CONCEPTUAL DESIGN SUBMITTAL | | M.P. | | | | | |
| | RAU PLAN SUBMITTAL | | A.H. | | | | | |
| | RAU PLAN SUBMITTAL | | M.P. | | | | | |
| | RAU PLAN SUBMITTAL | | A.H. | | | | | |
| INITIATOR A.H. | DESIGNED BY A.H. | CHECKED BY M.P. | PROJECT ENGINEER A.H. | PREPARED FOR City of New Bedford 133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740 | | | | |
| REV | DATE | BY | DESCRIPTION | DESIGN SUPERVISOR PROJECT ENGINEER | DRAWING NO. C-101B | | | |

PARKER

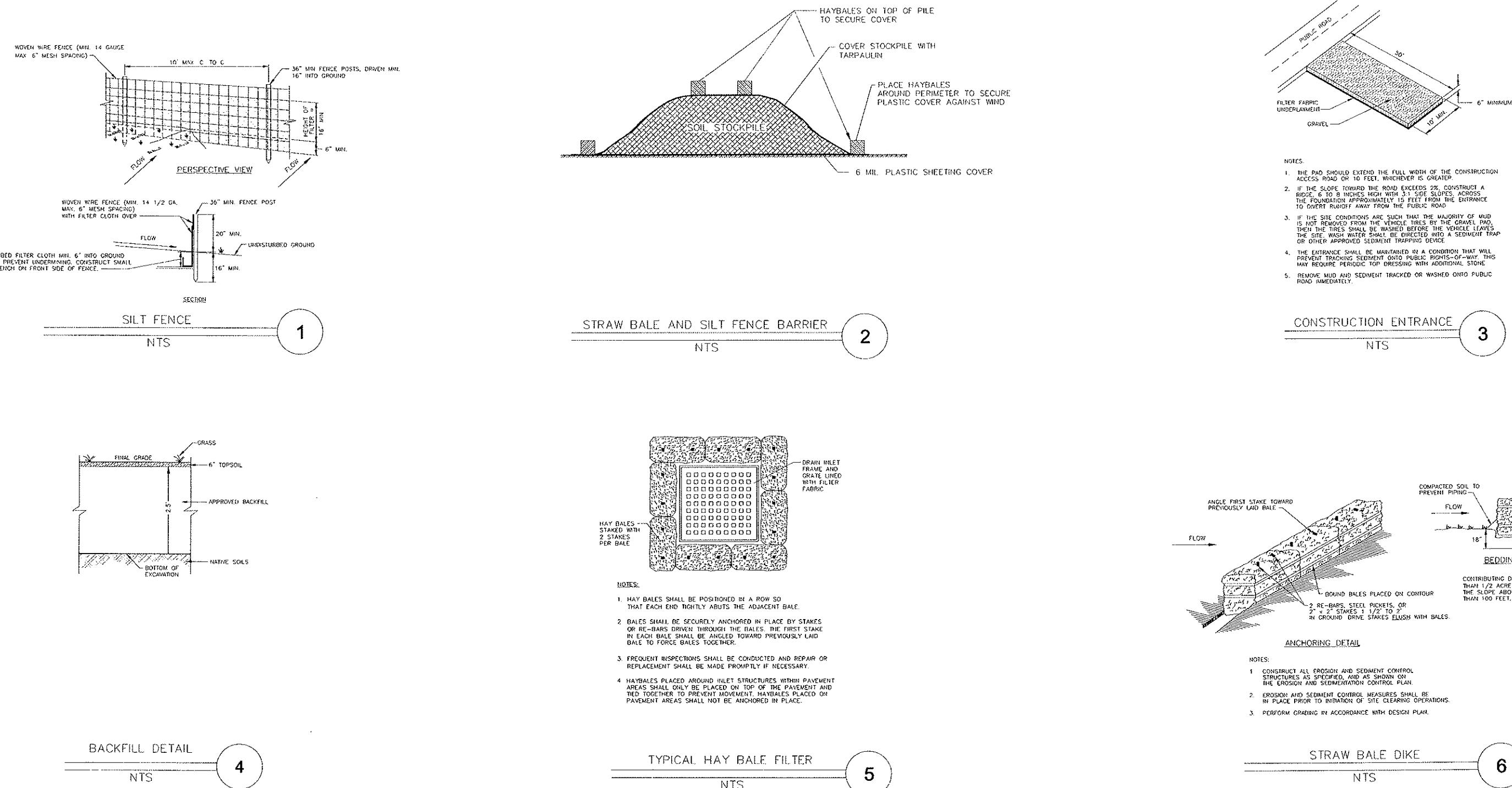
STREET

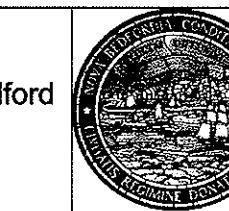


Notes:

1. Varsity Field: Depth of Excavation = 1.5 ft bgs
 2. Area = 33,129 sf
 3. Volume = 1,841 cy
 4. WFB-4: Depth of Excavation = 3 ft
 5. Area = 95.2 sf
 6. Volume = 11 cy

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|---|-------------------|---|---|-------|----------|-------------------------|-------------|------------------|-------------------|---|--------|--|---|---------|------|-------------------|------|------|--|--|--|--|---|--|-------------------|
| Prepared by:  | | Prepared for: The City of New Bedford Massachusetts | |  | <table border="1"> <tr> <td rowspan="2">0</td> <td rowspan="2">B-17-09</td> <td rowspan="2">A.H.</td> <td>RAM PLAN SUBMITAL</td> <td>M.P.</td> </tr> <tr> <td>A.H.</td> <td></td> </tr> <tr> <td rowspan="2">1</td> <td rowspan="2">1/16/09</td> <td rowspan="2">A.H.</td> <td>RAM PLAN SUBMITAL</td> <td>M.P.</td> </tr> <tr> <td>A.H.</td> <td></td> </tr> </table> | | | 0 | B-17-09 | A.H. | RAM PLAN SUBMITAL | M.P. | A.H. | | 1 | 1/16/09 | A.H. | RAM PLAN SUBMITAL | M.P. | A.H. | | DRAWING TITLE EXTENT OF EXCAVATIONS | | | PROJECT TITLE EXCAVATION PLANS WALSH FIELD EXTERIOR REMEDY | | SCALE 1' = 20' |
| 0 | B-17-09 | A.H. | RAM PLAN SUBMITAL | | M.P. | | | | | | | | | | | | | | | | | | | | | | |
| | | | A.H. | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1/16/09 | A.H. | RAM PLAN SUBMITAL | M.P. | | | | | | | | | | | | | | | | | | | | | | | |
| | | | A.H. | | | | | | | | | | | | | | | | | | | | | | | | |
| REVISION | DATE | BY | DESCRIPTION | DESIGN SUPERVISOR PROJECT ENGINEER | DRAFTER | OWNER | DRAWN BY | CHECKED BY | APPROVED BY | PROJECT ENGINEER | PREPARED FOR | City of New Bedford 133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740 | | | | | | | | | | | | | | | |
| | | | | | | | A.H. | SUPERVISOR FEB. 2009 | M.P. | A.H. | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | BRAKING NO. | C-101C | | | | | | | | | | | | | | |



| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|----------------------------------|---|------|-----------------------------|---|--|---|---------|------|--------------------|--|--|-----|------|----|-------------|--|--|----------------------------------|---|--------------|
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| REVISOR A.H. FEB. 2009 | DRAWN BY A.C.H. SUPERVISOR M.P. | CHECKED BY M.P. | PROJECT ENGINEER A.H. M.P. | PREPARED FOR City of New Bedford 133 WILLIAM STREET NEW BEDFORD, MASSACHUSETTS 02740 | | | | | | | | | | | | | | | | | | | |
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APPENDIX C

SOIL MANAGEMENT PLAN

SOIL MANAGEMENT PLAN

Walsh Field Athletic Complex Remediation Activities

**PARKER STREET WASTE SITE
NEW BEDFORD, MASSASHUSETTS**

Prepared for:

City of New Bedford
133 William Street
New Bedford, Massachusetts 02740

Prepared by:

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854

October 2009

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1.0 INTRODUCTION

The City of New Bedford Massachusetts (City) intends to procure the services of a Contractor (the “Contractor”) to perform remediation activities at the Dr. Paul F. Walsh Memorial Field (Walsh Field) portion of Parker Street Waste Site (PSWS). For the purposes of this soil management plan, the Site is defined as the Walsh Field portion of the PSWS. The remediation activities will be conducted pursuant to the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) and will include, but may not be limited to, excavation of soils, temporary on-site stockpiling of soils, offsite disposal of contaminated soils, and backfilling of the excavated soil at the Site. Currently, soil exposure point concentrations (EPCs) for dibenzofuran, polycyclic aromatic hydrocarbons (PAHs), diesel range organics (DRO), arsenic, cadmium, and lead exceed applicable MCP Method 1/Method 2 S-1/GW-2 and S-1/GW-3 soil cleanup standards for current and/or future site conditions. The Release Abatement Measure (RAM) Plan in which this Soil Management Plan (SMP) document is contained provides a summary of soil analytical data collected during investigative work and figures summarizing the sample locations and illustrating the areas of excavation.

This SMP is intended to provide the Contractor with information regarding the requisite soil management requirements. These procedures are also designed to ensure that soil that is encountered at the Site is managed in a manner that is protective of human health, safety, public welfare and the environment, as required by the MCP. Due to the depth of most of the excavations and limited proximity to site groundwater it is anticipated that groundwater management needs for this work are not required. A Commonwealth of Massachusetts Licensed Site Professional (LSP) has been retained by the City to oversee the soil management activities during Site remediation to ensure compliance with the applicable provisions of the MCP and related Massachusetts Department of Environmental Protection (MassDEP) policies and guidance.

1.1 Contact Information

The owner (the “Owner”) of the project is:

City of New Bedford
133 William Street
New Bedford, Massachusetts 02740
Contact: Mr. Scott Alfonse
(508) 979-1487

The Owner’s LSP for this project is:

David M. Sullivan, LSP, CHMM
LSP License Number: 1488
TRC Environmental Corporation
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854
(978) 656-3565

1.2 Roles and Responsibilities

The Owner will procure the services of a Contractor to complete the remediation activities outlined in the RAM Plan. Specifically, the Contractor will furnish all labor, equipment and materials required to complete the work in accordance with the contract documents including soil excavation, stockpiling, dust control, and off-Site transportation of soil from the Site. The Contractor will also be responsible for obtaining all necessary Federal, state and local permits required for this work (e.g., Dig-Safe and other necessary permits that may be required by the City).

The Contractor will not be responsible for obtaining approval from MassDEP Bureau of Waste Site Cleanup (BWSC), as required by the MCP at 310 CMR 40.0443, to implement this work. Such approval will be obtained by the LSP by submitting a Release Abatement Measure (RAM) to MassDEP describing the planned remediation activities.

Under a separate contract/authorization, the LSP and/or the LSP's designee (hereafter referred to collectively as "the LSP") will be responsible for obtaining regulatory approval under the MCP to implement the proposed remediation activities. The LSP will periodically inspect the construction activities to ensure consistency with the RAM, this SMP document and applicable MCP and MassDEP policies. Specifically, the LSP's role will include, but may not be limited to, inspection and oversight of the following activities:

- Soil excavation and grading
- Soil sampling
- Stockpiling
- Loading
- Off-Site transportation
- MCP related decontamination activities

The LSP will also collect any samples required to characterize soil for off-Site disposal, and will provide the required laboratory analyses of these samples.

The LSP will prepare and sign MCP Bills of Lading (BOLs) and/or Material Shipping Records (MSR) required for the off-Site shipment of excavated soil from the Site. The Contractor will be responsible for preparing any Hazardous Waste Manifests, if needed, for the off-Site transportation and disposal of any soil that meets the regulatory criteria for classification as a Hazardous Waste.

In addition, in accordance with the Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) standard (29 CFR 1910.120 and 1926.65), the LSP will prepare a Site-specific Health and Safety Plan (HASP) for this project for the protection of TRC personnel. The HASP will specify proper health and safety procedures to be implemented, and the necessary personal protective equipment to be used to protect workers from exposure to contaminated soil and groundwater during excavation. The Contractor will submit a separate HASP prior to initiating work and must adhere to the requirements of that HASP during performance of the work. The Contractor's employees

assigned to the Site should have, at a minimum, 40-hour OSHA HAZWOPER training, and current 8-hour OSHA HAZWOPER refresher training as appropriate. The Contractor's on-Site foreman responsible for hazardous material should also have OSHA Site Supervisor Training. The Owner and/or LSP may request copies of training certificates for each of the Contractor's employees assigned to the Site.

1.3 Existing Site Conditions

The Site is located within the footprint of the larger PSWS disposal site that encompasses an area greater than 100 acres based on currently available information, in the vicinity of NBHS. The Site occupies approximately 22 acres within the larger PSWS and is located on the south side of Parker Street, to the east of Hunter Street, and to the north of Maxfield Street, in New Bedford, Massachusetts. The east side of the Site is bordered by Lindsey Street and a City maintenance yard.

The Site is an active athletic complex that contains a football stadium along Maxfield Street, a soccer field that abuts the City's maintenance yard, a fenced Varsity baseball field at the corner of Parker and Hunter Streets, the junior varsity baseball field abutting the maintenance yard between the soccer field and football stadium, and a central area used for athletic practices of various sports including softball.

There are small buildings within the Site including restrooms, an abandoned field house, and maintenance buildings as well as bleachers/viewing stands at the football field, soccer field, and the varsity baseball field. The track at the Site is made of crumb rubber and there are paved areas along Hunter Street and Maxfield Street. Approximately 10-percent of the Site is currently covered by impervious surfaces (e.g., paved parking areas and the running track).

The Site serves as the primary athletic area for NBHS and also hosts collegiate level baseball games at the varsity baseball field. The entire Site is surrounded by a fence to limit access by the general public in order to preserve the quality of the playing surfaces. The varsity field is further surrounded by a second 8-foot chain link fence. Athletic teams use the fields for practices and games between mid-March and late November each year.

In Massachusetts, the excavation and management of contaminated soil at disposal sites is regulated by the MCP. The purpose of the MCP is "to provide for the protection of health, safety, public welfare and the environment" by instituting a uniform mechanism for identifying contaminated soils and implementing appropriate response actions.

1.3.1 Release Abatement Measure (310 CMR 40.0440)

Certain remediation related excavation activities at the Site will be performed as a RAM in accordance with the provisions of the MCP at 310 CMR 40.0440. A RAM Plan will be prepared by the LSP and will be submitted to MassDEP prior to initiating excavation activities. The RAM Plan will specify the planned soil excavation activities, identify the threat of release conditions and describe response actions. The soil management procedures outlined in Section 2.0 of this document will form the basis of the RAM. Throughout the course of the remediation activities,

the LSP may also prepare RAM Status Reports for submission to MassDEP as required by the MCP.

1.3.2 Management Procedures for Remediation Waste (310 CMR 40.0030)

The MCP establishes requirements and procedures for the management of remediation waste including contaminated media and debris and non-containerized waste. This section of the MCP also outlines procedures for documenting and tracking any off-Site transportation and disposal of regulated soil from a disposal site using a MCP Bill of Lading (BOL). The BOL requirements and procedures will apply to any contaminated soils transported from the Site, provided the soils are not otherwise characterized as hazardous waste pursuant to 310 CMR 30.000, the *Massachusetts Hazardous Waste Regulations*.

1.3.3 Interim Waste Management Policy for Petroleum-Contaminated Soils (WSC-94-400)

This policy outlines management practices for reuse, recycling, disposal, storage and transport of petroleum-contaminated soils, and presents related guidance. The policy's goals include encouraging management practices that provide for the destruction of volatile organic compounds (VOCs) or minimize the potential for migration/release of contaminants, and encouraging recycling of contaminated soils (e.g., asphalt batch recycling). The policies include guidelines for testing, storage, reuse/recycling, and establish acceptance criteria at recycling facilities.

1.3.4 Construction of Buildings in Contaminated Areas – January 2000 (WSC-00-425)

This policy clarifies existing regulatory requirements applicable to building construction areas that have been contaminated by a release of oil and/or hazardous material (“contaminated areas”). This clarification concerns, and is limited to, the jurisdiction and application of 310 CMR 40.0000 (MCP) to construction projects in contaminated areas.

1.3.5 Reuse and Disposal of Contaminated Soil at Massachusetts Landfills (COMM-97-001)

This policy outlines procedures for reuse or disposal of contaminated soils at Massachusetts-permitted landfills. The policy includes guidelines for testing, transport, record keeping, reporting, and establishes acceptance criteria for lined and unlined landfills.

1.3.6 Bill of Lading (BWSC Forms 012A, 012B and 012C)

The BOL tracks the transportation and final disposition of Remediation Wastes generated during the performance of response actions under the MCP. BOLs may be used to record the shipment of contaminated soil from the Site to a reuse, recycle and/or disposal facility approved by the Owner and LSP. BOLs will be stamped and signed by the LSP.

1.3.7 Hazardous Waste Manifest

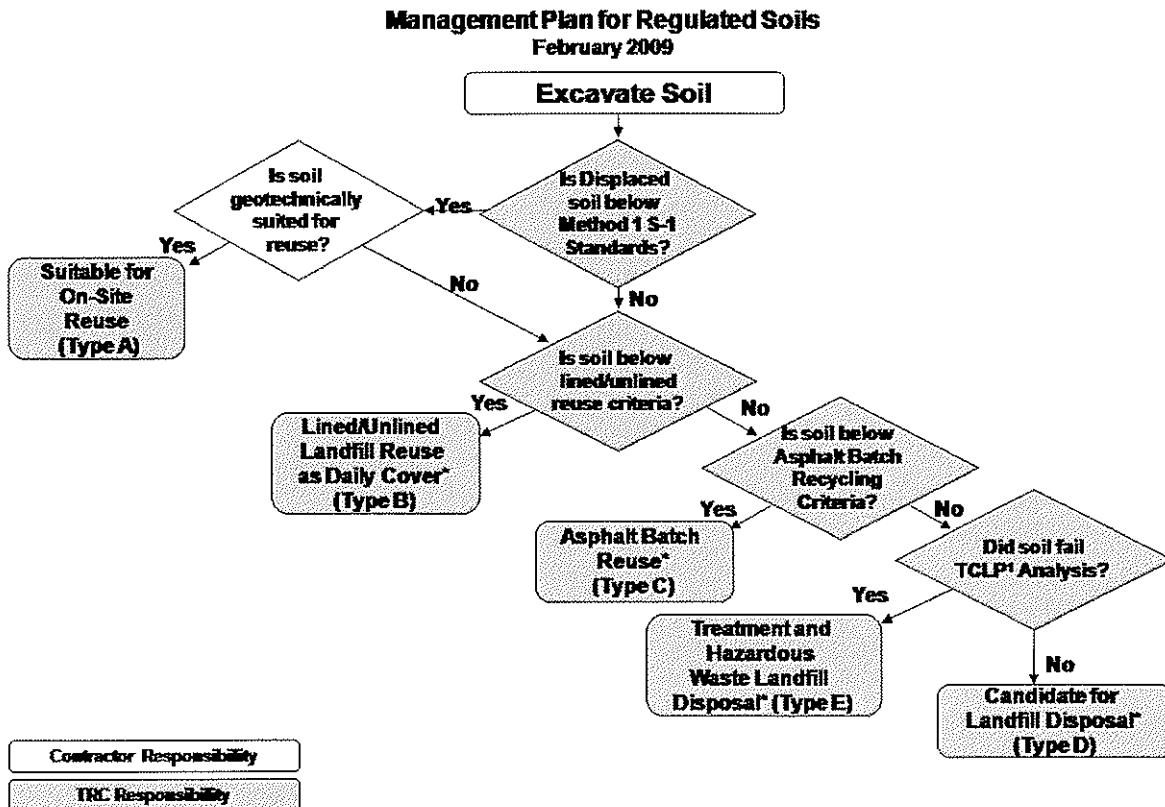
A Hazardous Waste Manifest is a MassDEP-approved form used to track the origin, quantity, composition, transportation and final destination of hazardous waste. Hazardous Waste Manifests should be utilized for shipping of any wastes subject to the Massachusetts Hazardous Waste Regulations (310 CMR 30.000). The Contractor will prepare any Hazardous Waste Manifest required for transport of the materials from this Site. The hazardous waste disposal facility to be used for disposal of any such material will be subject to approval by the Owner and/or LSP. Other requirements apply as described in 310 CMR 30.310. It is not anticipated that the generation of hazardous waste will be a part of this project.

Note that the reference to MassDEP policies COMM-97-001 and WSC-94-400 does not preclude the use of out-of-state facilities that offer similar reuse (e.g., landfill daily cover) or recycling (e.g., asphalt batch) opportunities. Such opportunities may be evaluated and/or utilized on a case-by-case basis assuming facility acceptance criteria can be met and the facility is currently within its regulatory jurisdiction for the reuse and/or recycling services provided.

2.0 EXCAVATION OVERSIGHT

TRC personnel will provide oversight during remediation activities. The soil oversight personnel will be screening soil with pre-characterization analytical data and providing as needed clarification regarding the soil category to the Contractor to ensure soil is segregated to the appropriate stockpile pending final reuse, recycling and/or disposal determinations.

Typical soil management options for a remediation project at a listed Disposal Site may include on-site reuse; offsite reuse/recycling; disposal at an approved and appropriately licensed non-hazardous waste, lined or unlined landfills; and disposal at an approved and appropriately licensed hazardous waste landfill. The determination of the reuse, recycling, or disposal option for soils from different portions of the excavation will consider physical and chemical characteristics of the soil and the reuse capacity within the construction project, as shown in the following flow diagram:



¹—TCLP = Toxic Characteristic Leachate Procedure

*—Indicates that alternate disposal methods may become available based on changes in Site conditions and/or additional waste characterization data.

Typical soil management options for a remediation project at a listed Disposal Site may allow soil to be returned to the approximate location from which it came (i.e., structure footing excavation) providing that it is chemically and geotechnically suitable for reuse as backfill, with the geotechnical suitability determined by the construction Contractor and/or project Architect/Engineer. Chemical suitability is determined by the LSP. Soil that is suitable for on-site reuse may be returned directly to the excavation or stockpiled for later reuse in a nearby

location. Soil that has been deemed unsuitable for reuse on-site will be segregated and stockpiled for off-site management (off-site reuse and/or disposal).

2.1 Soil Classification

Soil excavated during remediation activities will be classified by the following criteria. If the criteria are not in agreement, then the classification will be made based on the highest ranked factor.

- 1) Pre-characterization data;
- 2) Physical observations of ash-bearing “fill” material; and
- 3) Physical observations of other anthropogenic “fill” material.

Soil at a listed Disposal Site displaced by Construction Activities may be segregated into one or more of the following classifications:

- Type A – Pre-characterized soils for reuse on-site; excess Type-A soil also suitable for off-site reuse as cover material at a lined or unlined landfill facility. On-site reuse is restricted to the location from which the soils were excavated. Any on-site re-use requires prior approval of the LSP;
- Type B – Suitable for unlined or lined landfill re-use (chemically unsuited for reuse on-site);
- Type C – Suitable for asphalt batch recycling (geotechnically unsuited for reuse on-site and/or chemically unsuited for reuse on-site or off-site);
- Type D – Non-hazardous waste landfill disposal (chemically unsuited for on or off-site reuse, and off-site recycling); and
- Type E – Soil requiring segregation and off-site treatment prior to disposal as a hazardous waste.

The above outlined classification process is expected to produce the following five soil types:

Type A soils – Clean materials that were placed in the Varsity Baseball Field and Junior Varsity Baseball Field base paths following the prior excavations will be segregated for reuse. Other excavated soils will not be reused on-site unless otherwise notified.

Type B soils have been pre-characterized as unsuitable for on-site reuse or the soil may be geotechnically unsuitable for on-site reuse as deemed by the Contractor. These soils can be transported offsite for reuse as cover material at a lined or unlined landfill facility (depending upon acceptance criteria comparisons). If these soils indicate concentrations below their applicable off-site facility acceptance criteria, they will be segregated and transported offsite for re-use at a lined or unlined landfill facility.

Type C soils are unsuitable for reuse on-site. These soils are suitable for recycling at an off-site asphalt batch facility.

Type D soils are unsuitable for on- or off-site reuse and off-site recycling. These soils do not indicate a failure of Toxicity Characteristic Leachate Procedure (TCLP) analysis. Therefore, these soils may be segregated and transported offsite for disposal at a non-hazardous waste landfill.

Type E soils have been pre-characterized as unsuitable for reuse on-site. These soils failed TCLP analysis and will need to be segregated for off-site disposal as hazardous waste.

Soil type determinations will be made by the LSP following the collection of suitable characterization data.

3.0 ON-SITE SOIL MANAGEMENT

3.1 On-Site Stockpile Disposition

The stockpiles on-site will be staged on polyethylene sheeting (minimum 6-mil thickness) and covered with sheeting at all times with exception of periods when adding or removing soil to or from the piles. The stockpiles should be designed such that storm water runoff does not impact the soil and any water draining from the soil does not migrate from the polyethylene sheeting to the ground surface. The stockpiles shall be inspected and estimates of total volumes made on a daily basis. If roll-offs will be used, they will be lined with polyethylene and covered to prevent leakage and storm water accumulation. Soil may be stockpiled at an alternative City owned location at the discretion of the City and as consistent with the MCP.

3.2 Off-Site Reuse, Recycling and/or Disposal

Excavated soil that will be transported from the Site will be characterized as appropriate for off-site disposal at a suitable facility. Several suitable off-site facilities are being considered, but the facility locations have not been finalized. The laboratory results of pre-characterization sampling will be used for off-site disposal characterization to the extent possible. The existing Site data will be supplemented as necessary to satisfy facility-specific acceptance criteria. The sample laboratory data will be compared soil data against Massachusetts reuse, recycle, and disposal criteria in accordance to MassDEP Policy# COMM-97-001 and Interim Policy #WSC-94-400.

Transportation of all materials from the site will be performed using a MassDEP Bill of Lading (BOL), Material Shipping Record (MSR) or Hazardous Waste Manifest, as appropriate, and will be performed within 120 days of stockpiling in accordance with 310 CMR 40.0030 of the MCP.

3.3 Decontamination of Vehicles Transporting Soils

Soils and mud will be removed from vehicles prior to their departure from the Site. A decontamination pad will be constructed by the Contractor prior to soil removal activities. The method of soil removal will likely be a combination of brushing the wheels to remove loose soils and/or passing vehicles through a decontamination station. Any liquids generated by vehicle decontamination will be drummed and transported off-site for disposal.

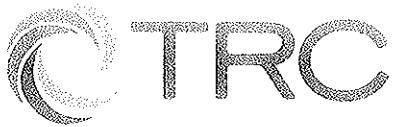
In addition, the Contractor shall be responsible for ensuring that tracking of potentially contaminated soil onto public roadways is prevented.

3.4 Supplementary Stockpile Characterization

Prior to transport and disposal of stockpiled soils, soils stockpiled for disposal will be evaluated to determine whether sufficient analytical data is available to satisfy the requirements of the selected disposal or recycling facility. As deemed necessary, soil samples will be collected and analyzed according to the analytes and the sampling frequency specified by the selected disposal facility.

APPENDIX D

RAM PLAN FEE DOCUMENTATION



21 Griffin Road North
Windsor, CT 06095

WACHOVIA BANK, N.A.
Wilmington, DE
62-22311

645736

CHECK DATE

09/18/09

PAY **Eight Hundred and 00/100 Dollars******* AMOUNT
\$800.00

TO Commonwealth of Massachusetts
RAM Plaintiff
RTW 4-15685
City of New Bedford

By
VOID AFTER 90 DAYS

AUTHORIZED SIGNATURE

 Security Check features included
[Details on back](#)

"645736" 603110022562079950091538"

EMILY BUSINESS FORMS 800-392-6018 VISION

FORMS 800.392.8018 VISIT



21 Griffin Road North
Windsor, CT 06095

EMILY BUSINESS FORMS 800-392-6018 VISION

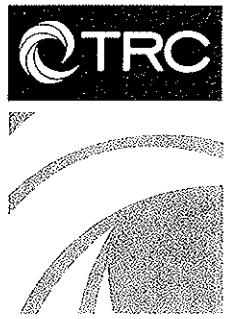
FORMS 800.392.8018 VISIT

| Invoice Number | Invoice Date | Description | Amount |
|----------------|--------------|---------------------------------|----------|
| RAM PLAN FEE | 09/18/09 | Vendor # 030812 RAM PLAN FEE | \$800.00 |

FORMS 800.392.8018 VISIT

APPENDIX E

MUNICIPAL NOTIFICATION LETTERS



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1996 FAX

www.TRCsolutions.com

October 5, 2009

TRC Reference Number: 115058.0000.0000

Mayor Scott W. Lang
Office of the Mayor
City Hall, Room 311
New Bedford, Massachusetts 02740

RE: Notice of Implementation of Release Abatement Measures Under the Massachusetts Contingency Plan – Contaminated Soil Removal at the Walsh Field Athletic Complex, MassDEP RTN 4-15685.

Dear Mr. Lang:

On behalf of the City of New Bedford (the “City”), and pursuant to 310 CMR 40.1403 of the Massachusetts Contingency Plan (MCP), TRC Environmental Corporation (TRC) has prepared this letter to inform you of implementation of a Release Abatement Measure (RAM) at the Walsh Field Athletic Complex portion of the Parker Street Waste Site (PSWS) located south of Parker Street, to the east of Hunter Street and to the north of Maxfield Street in New Bedford, Massachusetts.

The RAM that will be performed at this location involves the excavation of soils, temporary stockpiling of soils with as needed soil stabilization, offsite disposal of the excavated soils and backfilling with contaminant-free fill material. Excavation and disposal activities are anticipated to begin following approval of the RAM Plan, which will be submitted to the Massachusetts Department of Environmental Protection no later than the second week in October 2009.

If you have any questions concerning the RAM activities planned by the City, please do not hesitate to contact David Sullivan at TRC at (978) 656-3565 or David Fredette with the Department of Environmental Stewardship, at (508) 961-4576.

Sincerely,
TRC Environmental Corporation

A handwritten signature in black ink that reads "David M. Sullivan".

David M. Sullivan, LSP, CHMM
Sr. Project Manager

Cc: David Fredette, New Bedford Department of Environmental Stewardship



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1996 FAX

www.TRCsolutions.com

October 5, 2009

TRC Reference Number: 115058.0000.0000

Marianne B. De Souza
Health Department
1213 Purchase Street, First Floor
New Bedford, Massachusetts 02740

RE: Notice of Implementation of Release Abatement Measures Under the Massachusetts Contingency Plan – Contaminated Soil Removal at the Walsh Field Athletic Complex, MassDEP RTN 4-15685.

Dear Ms. De Souza:

On behalf of the City of New Bedford (the “City”), and pursuant to 310 CMR 40.1403 of the Massachusetts Contingency Plan (MCP), TRC Environmental Corporation (TRC) has prepared this letter to inform you of implementation of a Release Abatement Measure (RAM) at the Walsh Field Athletic Complex portion of the Parker Street Waste Site (PSWS) located south of Parker Street, to the east of Hunter Street and to the north of Maxfield Street in New Bedford, Massachusetts.

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Sincerely,
TRC Environmental Corporation

A handwritten signature in black ink that reads "David M. Sullivan".

David M. Sullivan, LSP, CHMM
Sr. Project Manager

Cc: David Fredette, New Bedford Department of Environmental Stewardship